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Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8

R-218/66
8 November 1967

Declass Review, NIMA/DoD

This is the eleventh group of items disseminated as part of NPIC/R-218/66, Southeast Asia Activity Report, POL Facilities, North Vietnam. Fourteen items are included in this portion of the report, 11 newly reported sites and 3 updated items. The updated items are as follows:

Can Thon Petroleum Products Storage, B33, B34, X-B33;

Co Nhue Vien Petroleum Products Storage, B99, B100, X-B99; and

Phu Tri Petroleum Products Storage West, B153, B154, X-B153.

Each new or updated page carries the date of the covering memo directly under the NPIC report number. NPIC will continue to disseminate new and updated items on a continuing basis as photography becomes available.

DIA HAS NO OBJECTION TO DECLASSIFICATION AND RELEASE.

**Declass Review by
NIMA/DOD**

DIA review(s)
completed.

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TITLE NPIC

R-218/66 GROUP 11

8 Nov. 1967

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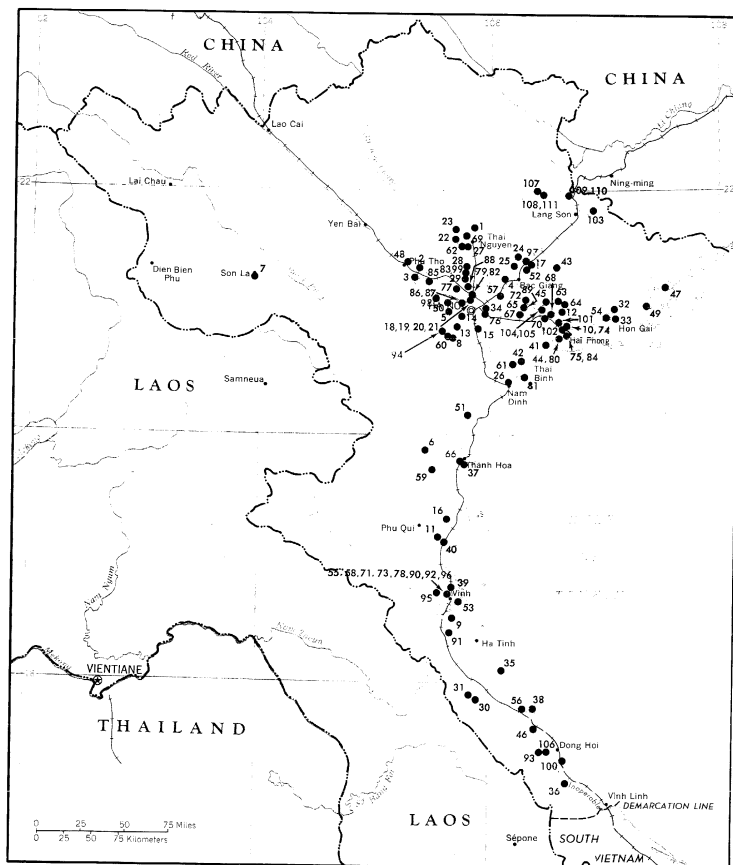
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R-218/66
8 November 1967**KEY TO CATEGORY B**
DISPERSED STORAGE AREAS

1. La Danh Petroleum Products Storage PUG
2. Van Lung Petroleum Products Storage UG
3. Van Lung Petroleum Products Storage West UG
4. Hoang Mai POL Storage Area
5. Ha Noi Petroleum Products Thi Cam
6. Bai Thung Petroleum Products Storage UG Southeast
7. Son La Petroleum Products Storage
8. Thuong Thon Petroleum Products Storage UG
9. Ngoc Son Petroleum Products Storage PUG
10. Thai Lai Petroleum Products Storage
11. Yen Hau Petroleum Products Storage PUG
12. Thanh Lang Petroleum Products Storage PUG
13. Ha Noi Petroleum Products Storage UG Thanh Liet (Area 1)
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15. Bang So Petroleum Products Storage PUG
16. Son Chau Petroleum Products Storage PUG
17. Can Thon Petroleum Products Storage
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24. Dao Quan Petroleum Products Storage East
25. Dao Quan Petroleum Products Storage West
26. Nam Dinh Petroleum Products Storage PUG
27. Thai Nguyen Petroleum Products Storage PUG South
28. Phu Yen Airfield POL Storage Area 1
29. Phu Yen Airfield POL Storage Area 2
30. Kom Duong Quan Petroleum Products Storage UG East
31. Kom Duong Quan Petroleum Products Storage UG
32. Nui Tap Tinh POL Storage Area
33. Sac Le POL Storage Area
34. Phu Dong POL Storage Area
35. Thuan Le POL Storage Area
36. Phu Loc Petroleum Products Storage
37. Thanh Hoa POL Storage Area
38. Ba Don Petroleum Products Storage
39. Phu Loi Petroleum Products Storage Navy
40. Tho Trang Petroleum Products Storage
41. Ninh Giang Petroleum Products Storage
42. Dong Chau Petroleum Products Storage
43. Kep Ha Petroleum Products Storage
44. Tien Hoi Petroleum Products Storage
45. Dong Mai Petroleum Products Storage
46. Nonr. Lang POL Storage
47. Van Hoa POL Storage
48. Phu Lo Petroleum Products Storage NNE UG
49. Jaune Island POL Storage
50. Co Nhue Vien Petroleum Products Storage
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87. Tay Tuu Petroleum Products Storage East
88. Nguyen Khe Petroleum Products Storage
89. Cap Dien Petroleum Products Storage
90. Vinh Petroleum Products Storage PUG North No 2
91. Xom Thap Petroleum Products Storage
92. Vinh Petroleum Products Storage North No 3
93. Cu Hap Petroleum Products Storage
94. Xuan Mai Petroleum Products Storage
95. Dong Xuan Petroleum Products Storage
96. Vinh Petroleum Products Storage SE PUG
97. Kep Petroleum Products Storage
98. Dong Sang Petroleum Products Storage
99. Lap Tri Petroleum Products Storage
100. Long Dai Petroleum Products Storage
101. Luc Nong Petroleum Products Storage
102. Quynh Hoang Petroleum Products Storage
103. Lang Son Petroleum Products Storage SE
104. Xa Son Petroleum Products Storage
105. Cam Lam Thuong Petroleum Products Storage
106. Phu Qui Petroleum Products Storage PUG No 2
107. Khon Phai Dan Petroleum Products Storage
108. Na Pia Petroleum Products Storage NW
109. Dong Dang Petroleum Products Storage No 2
110. Dong Dang Petroleum Products Storage No 1
111. Na Pia Petroleum Products Storage

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R-218/66
27 September 1966

25X1A

	WJ877956	2139N 10550E
	UTM COORDINATES	GEOGRAPHIC COORDINATES

NAME: LA DANH PETROLEUM PRODUCTS STORAGE PUG

LOCATION: 4.1 NM NORTH OF THAI NGUYEN AND 0.8 NM EAST OF VAN HAO

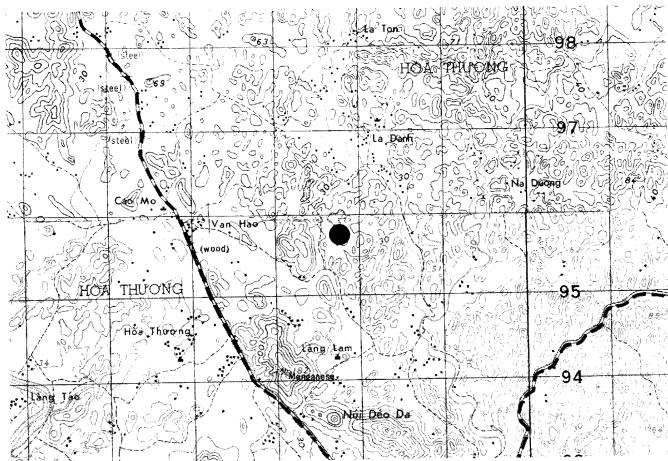
DESCRIPTION: STORAGE AREA CONSISTS OF 2 ADJACENT SITES. EAST AREA CONTAINS APPROXIMATELY 116 BUNKERED TANKS, 6 UNBURIED MEDIUM TANKS, 15 EXCAVATIONS, AND APPROXIMATELY 4,000 DRUMS DISPERSED UNDER TREES. WEST AREA, 0.3 NM WEST, CONTAINS AT LEAST 475 DRUMS IN OPEN STORAGE AND IN 9 EXCAVATIONS AND 9 ADDITIONAL EXCAVATIONS. BOMB CRATERS ARE OBSERVED IN EACH AREA.

ESTIMATED CAPACITY: TANK 1,464 MT DRUM 895 MT

MAP REFERENCES: AMS SERIES L701, SHEET 6175-I, 1ST ED, OCT 63 (U)
AMS SERIES JOG(G) 1501, SHEET NF 48-11, 1ST ED, JUN 65 (U)

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PHOTO REFERENCE:



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R-218/66
AUGUST 1967

SON CHAU PETROLEUM PRODUCTS STORAGE PUG
WE761351
UTM COORDINATES
1918N 10543E
GEOGRAPHIC COORDINATES



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SECRET
R-218/66
November 1967

25X1A

	XJ359660 UTM COORDINATES	212335N 1061839E GEOGRAPHIC COORDINATES
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NAME: CAN THON PETROLEUM PRODUCTS STORAGE

LOCATION: 0.9 NM NORTH OF CAN THON, 1.7 NM EAST OF KEP, 0.2 NM EAST OF ROUTE 181

25X1D

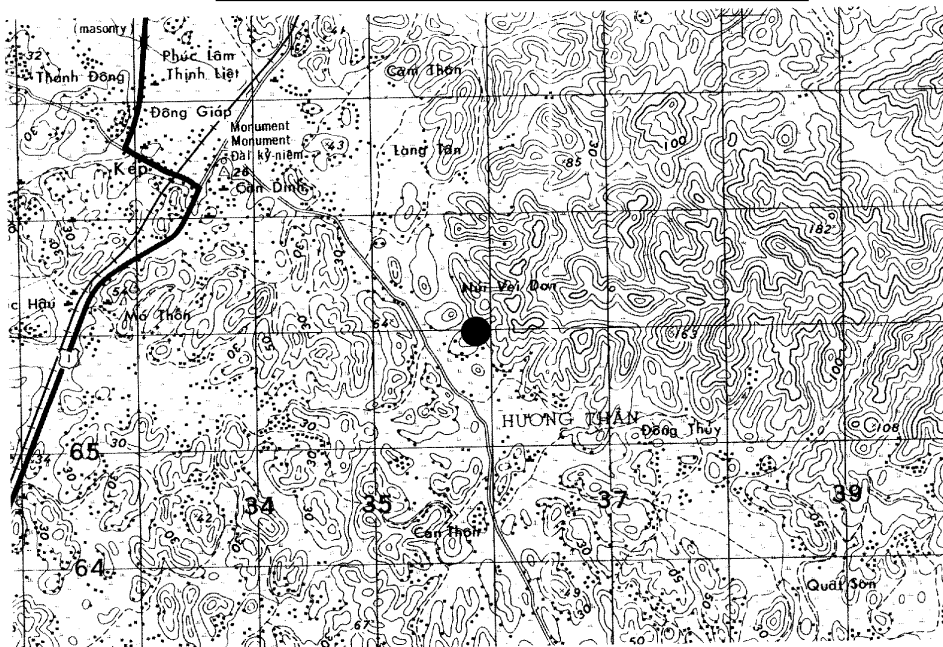
DESCRIPTION: PHOTOGRAPHY [REDACTED] REVEALED THE STORAGE AREA CONTAINING 120 LARGE BUNKERED TANKS AND APPROXIMATELY 3,500 POL DRUMS. POST-STRIKE PHOTOGRAPHY [REDACTED] REVEALS EFFORTS TO RECLAIM STORAGE TANKS. THIRTEEN TANKS ARE ABOVEGROUND OR IN OPEN EXCAVATIONS, 24 TANKS REMAIN EARTH COVERED, AND 83 TANKS HAVE BEEN REMOVED.

25X1D

ESTIMATED CAPACITY: PRE-STRIKE TANK 3,000 MT DRUM 700 MT
POST-STRIKE TANK 925 MT DRUM NONE
MAP REFERENCES: AMS SERIES L7014, SHEET 6251-I, 1ST ED, 1965 (U)
AMS SERIES JOG(G) 1501, SHEET NF 48-11, 1ST ED, JUN 65 (U)

25X1D

PHOTO REFERENCE: [REDACTED]



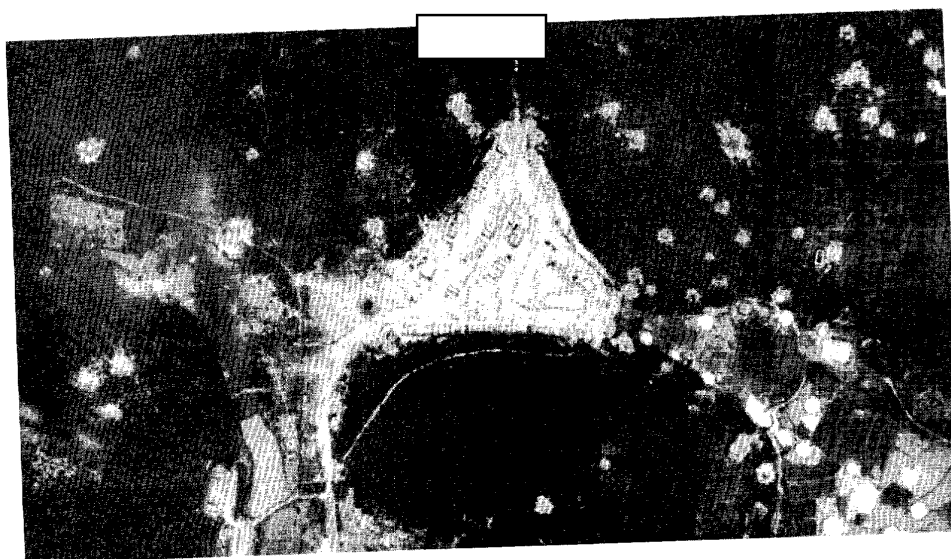
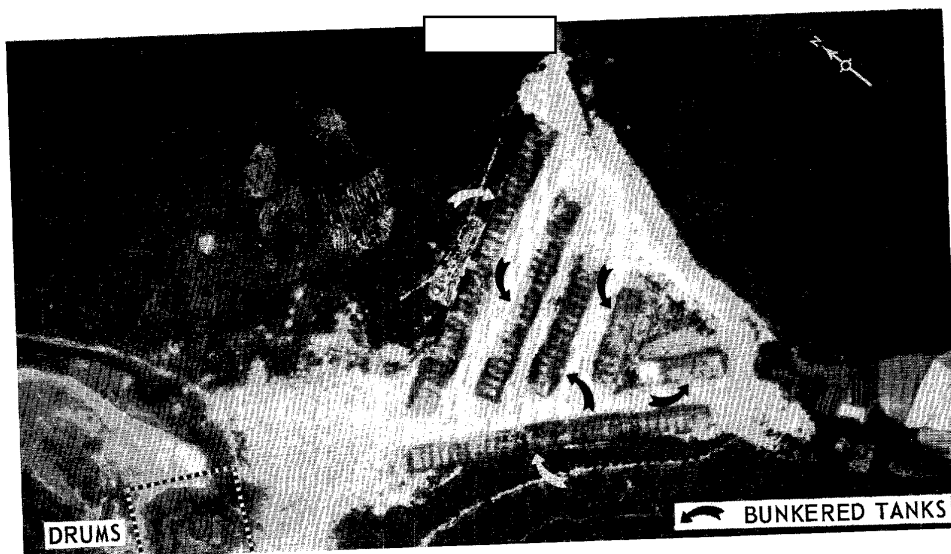
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SECRET
B33

CAN THON PETROLEUM PRODUCTS STORAGE

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UTM COORDINATES

212335N 1061839E
GEOGRAPHIC COORDINATES



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R-218/66

2107N 10552E
GEOGRAPHIC COORDINATES

NAME: HA NOI PETROLEUM PRODUCTS STORAGE DUC NOI (AREA 1)

LOCATION: IMMEDIATELY EAST OF X. BAI, 0.7 NM SSW OF DUC NOI, AND 6.3 NM NORTH OF HA NOI

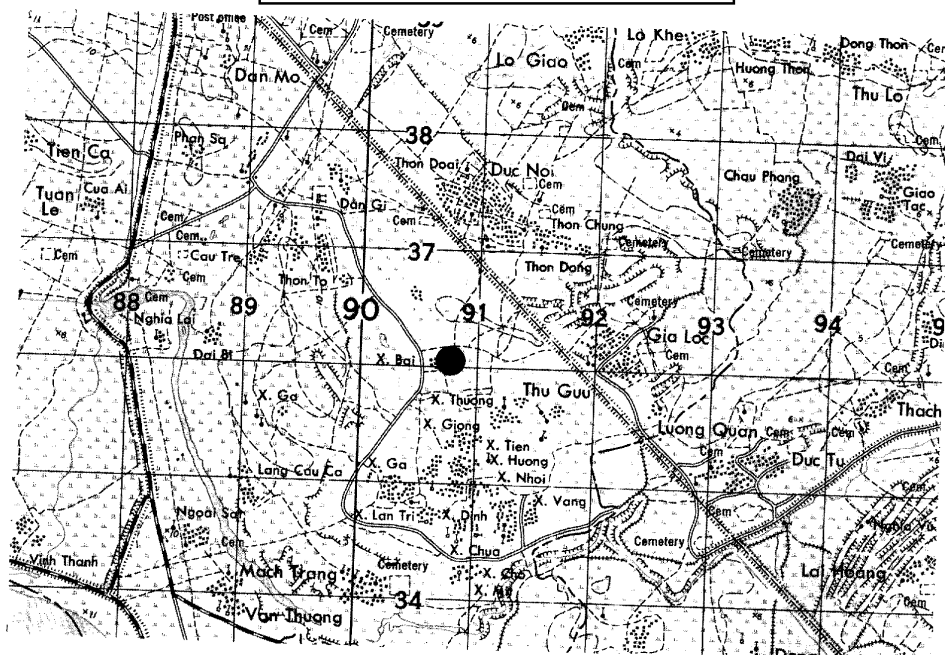
DESCRIPTION: AREA CONTAINS 14 LARGE BURIED TANKS, 9 PROBABLY STANDARD BURIED TANKS, 1 EXCAVATION, APPROXIMATELY 3,000 THIRTY-GAL-TYPE DRUMS, AND APPROXIMATELY 1,750 FIFTY-FIVE-GAL-TYPE DRUMS.

ESTIMATED CAPACITY: TANK 458 MT DRUM 650 MT

MAP REFERENCES: AMS SERIES L701, SHEET 6174 II, 3DED, APR 63 (U)
AMS SERIES JOG(G) 1501, SHEET NF 48-11, 1ST ED, JUN 65 (U)

PHOTO REFERENCE:

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[REDACTED] R-218/66

YJ471281
UTM COORDINATES

JAUNE ISLAND POL STORAGE

2102N 10722E
GEOGRAPHIC COORDINATES



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[REDACTED] [REDACTED]

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R-218/66

September 1967

25X1A

WJ807280
UTM COORDINATES

210250N 1054625E
GEOGRAPHIC COORDINATES

NAME: CO NHUE VIEN PETROLEUM PRODUCTS STORAGE

LOCATION: 0.6 NM WSW OF CO NHUE VIEN, ALONG EAST BANK OF A CANAL, 2.3 NM SOUTH OF THE CUA CAM

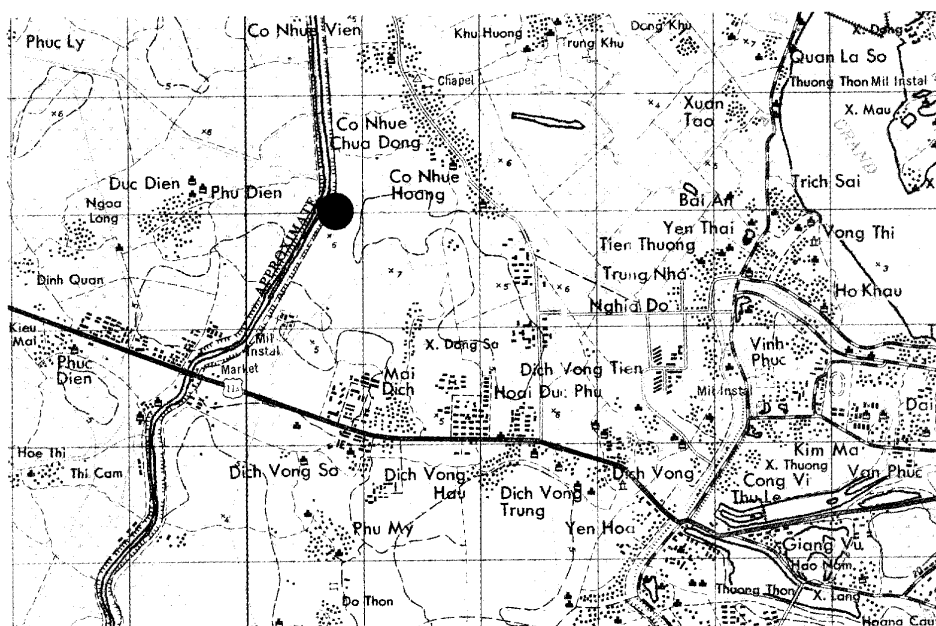
DESCRIPTION: AREA CONSISTS OF 62 BUNKERED TANKS DISPERSED ALONG A SECONDARY ROAD. SITE WAS FIRST OBSERVED BEING ESTABLISHED [REDACTED] 25X1D

ESTIMATED CAPACITY: TANK 744 MT

MAP REFERENCES: AMS SERIES L7014, SHEET 6151-II, 1ST ED, 1965 (U)
AMS SERIES JOG(G) 1501, SHEET NF 48-11, 1ST ED, JUN 65 (U)

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PHOTO REFERENCE:



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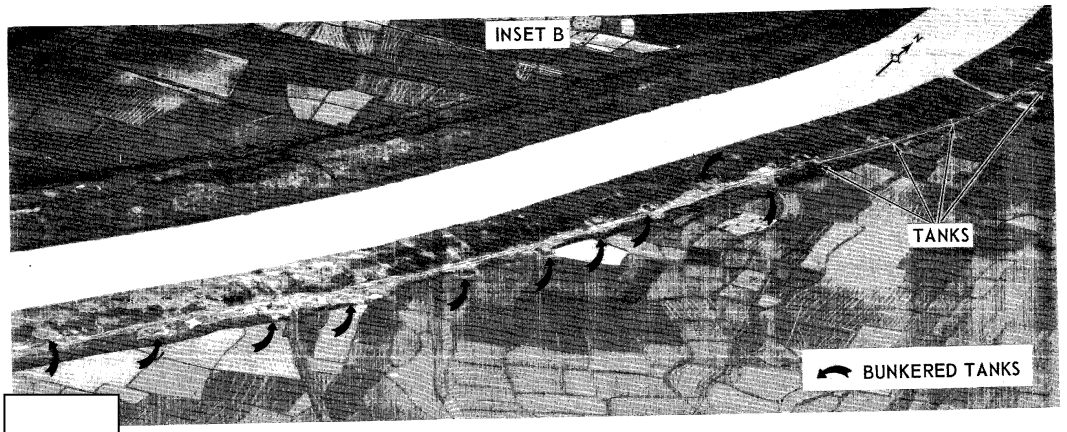
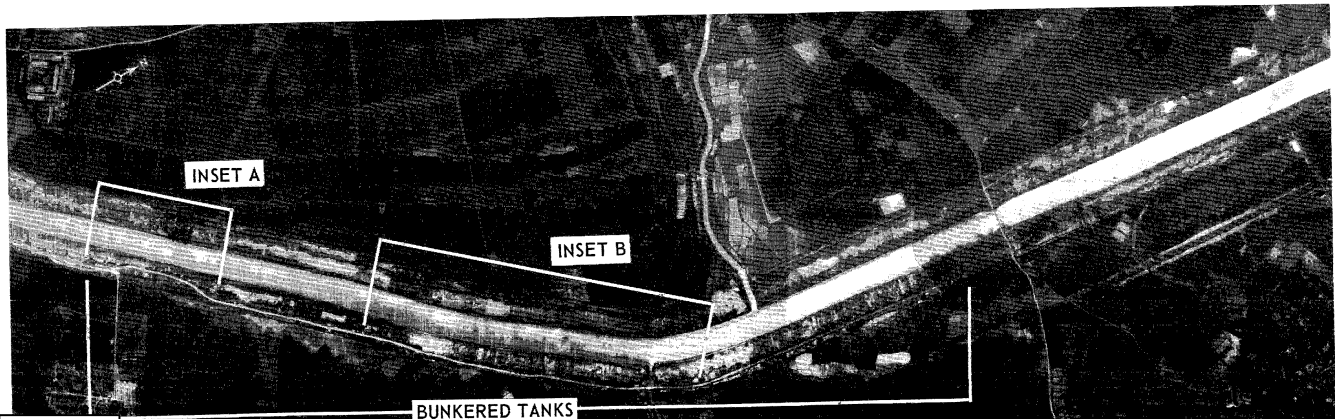
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R-218/66
8 November 1967

WJ807280
UTM COORDINATES

CO NHUE VIEN PETROLEUM PRODUCTS STORAGE

210250N 1054625E
GEOGRAPHIC COORDINATES



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25X1C
SECRET

R-218/66
7 AUGUST 1967

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WH909257
UTM COORDINATES

2007N 10552E
GEOGRAPHIC COORDINATES

NAME: QUANG SUOI PETROLEUM PRODUCTS STORAGE

25X1D

LOCATION: 1.8 NM SW OF QUANG SUOI AND 0.2 NM SOUTH OF ROUTE 1A AND THE
HA NOI/THANH HOA RAIL LINE

DESCRIPTION: PHOTOGRAPHY [REDACTED] REVEALS 8 TANKS BURIED NEAR THE BASE
OF KARST HILLS. PHOTOGRAPHY [REDACTED] REVEALS 1 PROBABLY DESTROYED TANK
AND 7 EMPTY EXCAVATIONS (TANKS REMOVED).

25X1D

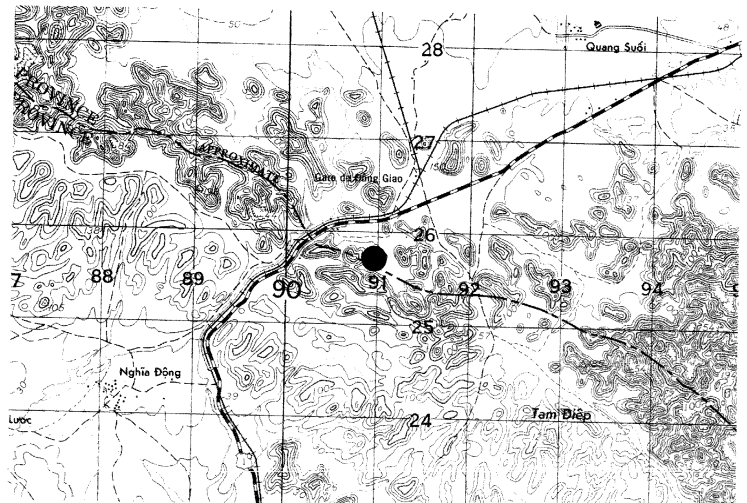
ESTIMATED CAPACITY: PRE-STRIKE TANK 96 MT DRUM 52 MT
POST-STRIKE TANK NONE

MAP REFERENCES: AMS SERIES L7014, SHEET 6171-II, 1ST ED NOV 63 (U)

AMS SERIES JOG (G) 1501, SHEET NF 48-15, 1ST ED, JUN 65 (U)

25X1D

PHOTO REFERENCE: [REDACTED]



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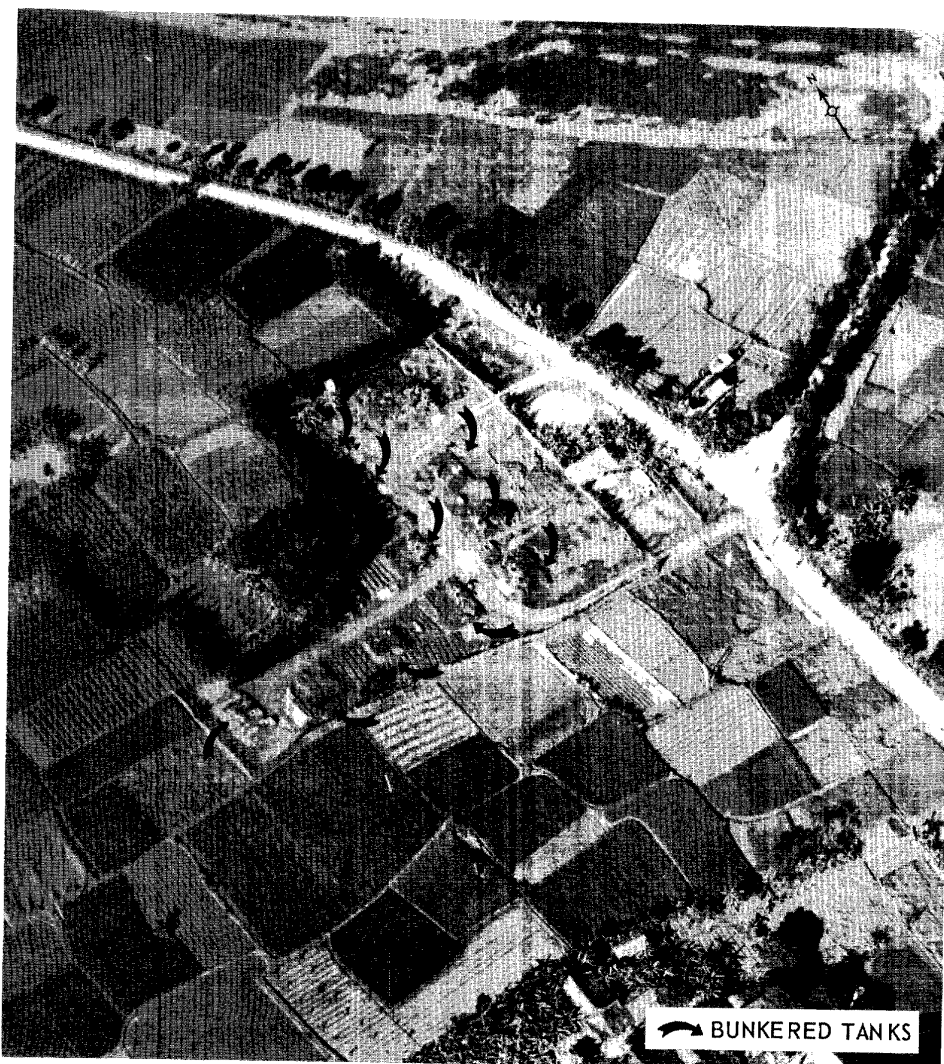
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R-218/66
6 November 1966

XJ006243
UTM COORDINATES

PHU THI PETROLEUM PRODUCTS STORAGE

2101N 10558E
GEOGRAPHIC COORDINATES



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R-218/66

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	WJ733457 UTM COORDINATES	211252N 1054225E GEOGRAPHIC COORDINATES
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NAME: PHU TRI PETROLEUM PRODUCTS STORAGE WEST

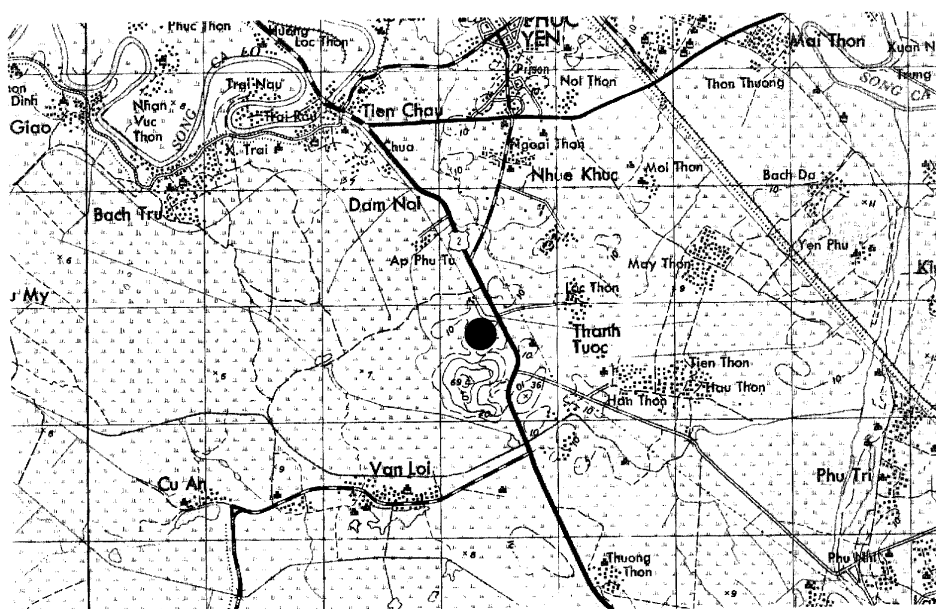
LOCATION: 2 NM WEST OF PHU TRI, WEST OF ROUTE 2

DESCRIPTION: STORAGE AREA CONTAINS 10 BUNKERED TANKS AND APPROXIMATELY 200 POL DRUMS IN TRENCHES AND SCATTERED THROUGHOUT THE AREA.

ESTIMATED CAPACITY: TANK 120 MT DRUM 44 MT

MAP REFERENCES: AMS SERIES L7014, SHEET 6151-III, 1ST ED, 1965 (U)
AMS SERIES JOG(G) 1501, SHEET NF 48-11, 1ST ED, JUN 65 (U)

25X1D PHOTO REFERENCE:



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8 November 1967

PHU TRI PETROLEUM PRODUCTS STORAGE WEST

WJ733457
UTM COORDINATES

211252N 1054225E
GEOGRAPHIC COORDINATES



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B154

25X1C
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SECRET

R-218/66
1 December 1966

25X1A

WF719695
UTM COORDINATES

1843N 10540E
GEOGRAPHIC COORDINATES

NAME: VINH PETROLEUM PRODUCTS STORAGE NORTH UG

LOCATION: 0.8 NM WEST OF DONG HAM, 1 NM SSE OF VINH AIRFIELD, AND 3 NM NORTH OF VINH

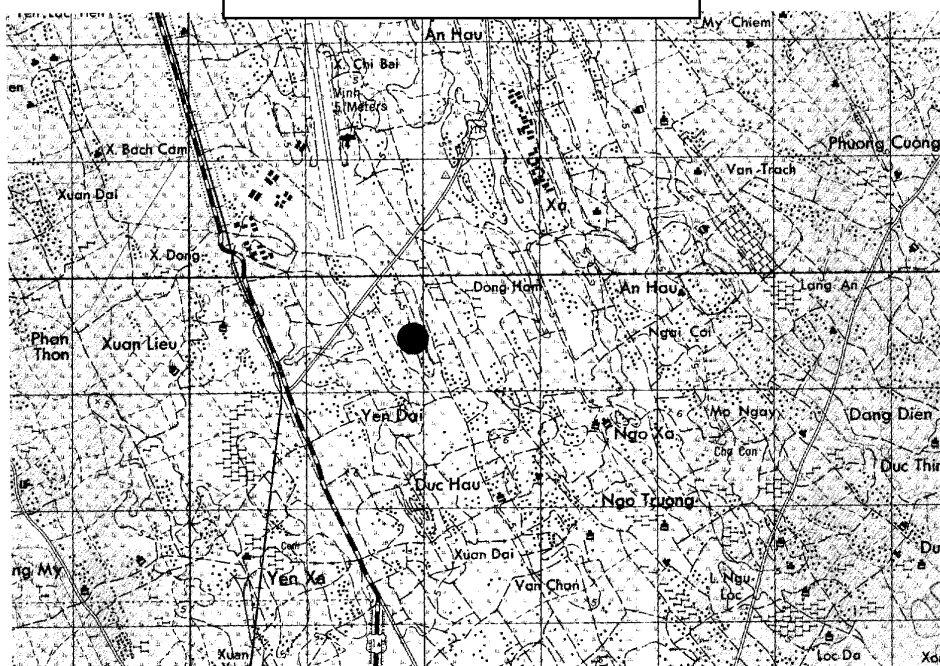
DESCRIPTION: AREA CONTAINS 8 WIDELY DISPERSED BUNKERED TANKS ALONG TREE LINES.

ESTIMATED CAPACITY: TANK 96 MT

MAP REFERENCES: AMS SERIES L7014, SHEET 6146 III, 1ST ED, 1965 (U)
AMS SERIES JOG(G) 1501, SHEET NE 48-7, 1ST ED, JUN 65 (U)

25X1D

PHOTO REFERENCE:



25X1C

B155

Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8

SECRET

25X1

25X1C
Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8
SECRET
R-218/66
7 AUGUST 1967

LUC NONG PETROLEUM PRODUCTS STORAGE

XJ638149
UTM COORDINATES

2055N 10634E
GEOGRAPHIC COORDINATES



25X1

25X1C B202
Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8
SECRET

25X1

25X1C SECRET R-218/66
Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8

25X1A

	XJ663098 UTM COORDINATES	205303N 1063600E GEOGRAPHIC COORDINATES
--	-----------------------------	--

NAME: QUYNH HOANG PETROLEUM PRODUCTS STORAGE

LOCATION: 0.5 NM NNW OF QUYNH HOANG, 5 NM WNW OF HAI PHONG, 1.3 NM WEST OF THE CUA CAM

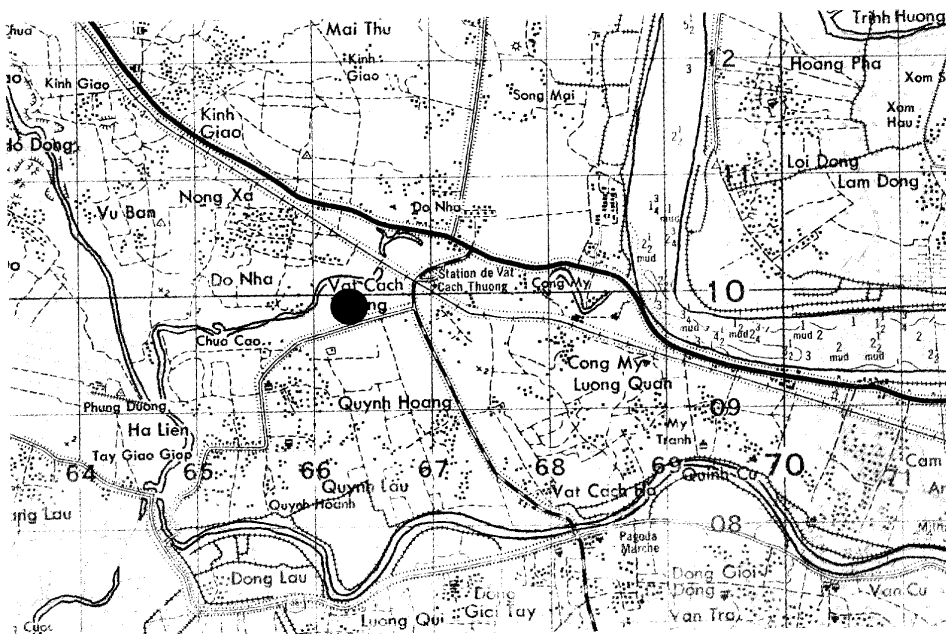
DESCRIPTION: STORAGE CONSISTS OF 14 LARGE TANKS BUNKERED IN PAIRS.

ESTIMATED CAPACITY: TANK 350 MT

MAP REFERENCES: AMS SERIES L7014, SHEET 6350-IV, 1ST ED, 1965 (U)
AMS SERIES JOG(G) 1501, SHEET NF 48-16, 1ST ED, JUN 65 (U)

25X1D

PHOTO REFERENCE:



25X1C

B203
Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8

25X1

25X1

25X1C
SECRET
Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8 R-218/66
November 1967

QUYNH HOANG PETROLEUM PRODUCTS STORAGE

XJ663098
UTM COORDINATES

205303N 1063600E
GEOGRAPHIC COORDINATES



25X1

25X1C B204
Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8

25X1

25X1C
Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8
SECRET
R-218/66
1967

25X1A

	XK935117 UTM COORDINATES	214800N 1065222E GEOGRAPHIC COORDINATES
--	-----------------------------	--

NAME: LANG SON PETROLEUM PRODUCTS STORAGE SE

LOCATION: 6.6 NM SE OF LANG SON, SOUTH OF ROUTE 4

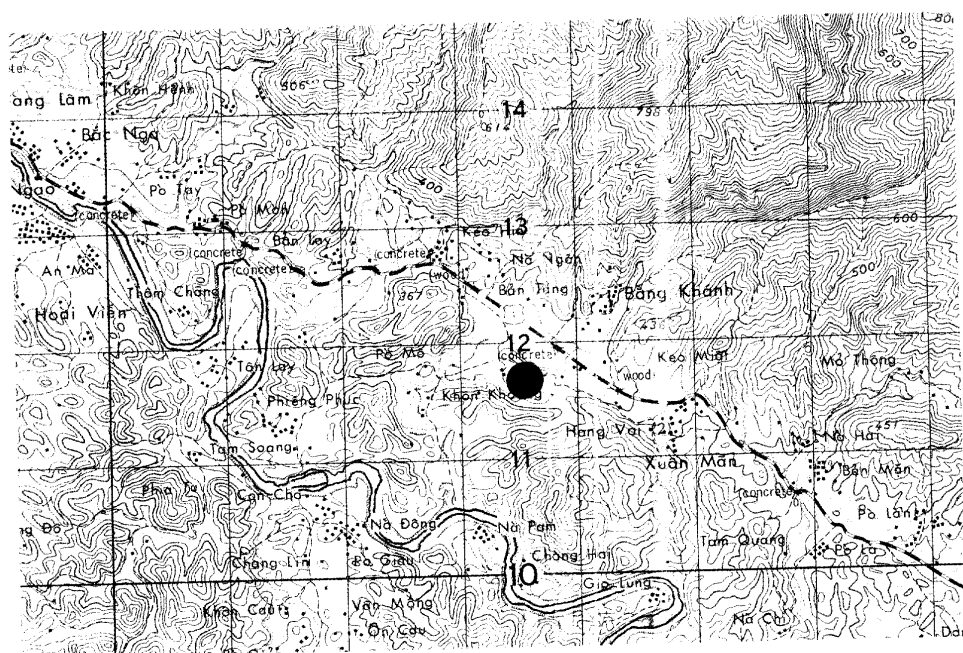
DESCRIPTION: AREA CONTAINS 12 LARGE TANKS BUNKERED IN PAIRS ON WEST SIDE OF A SECONDARY ROAD.

ESTIMATED CAPACITY: TANK 300 MT

MAP REFERENCES: AMS SERIES L7014, SHEET 6352-I, 1ST ED, 1965 (U)
AMS SERIES JOG(G) 1501, SHEET NF 48-12, 1ST ED, JUN 65 (U)

25X1D

PHOTO REFERENCE:



8205
Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8
SECRET

25X1

25X1

25X1C

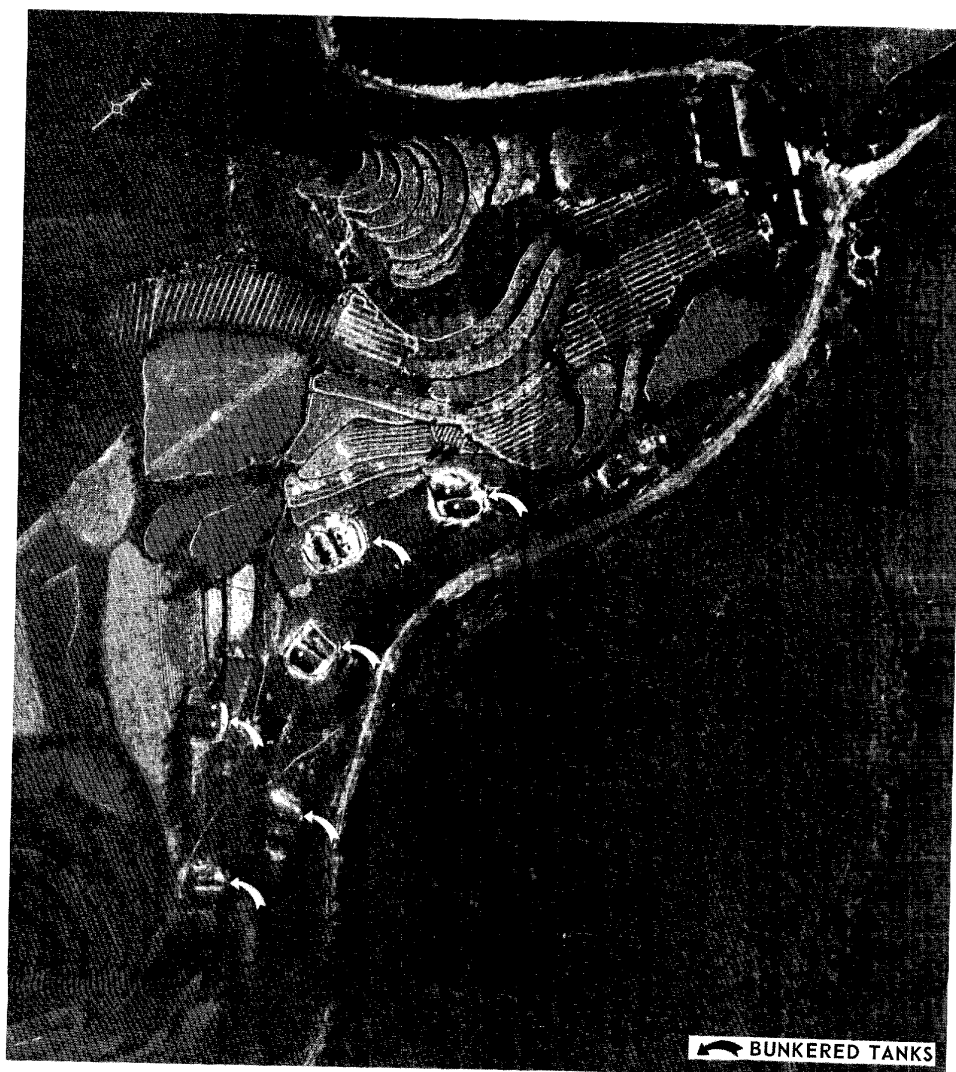
SECRET

Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8R-218/66
8 November 1967

LANG SON PETROLEUM PRODUCTS STORAGE SE

XK935117
UTM COORDINATES

214800N 1065222E
GEOGRAPHIC COORDINATES



B206

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SECRET

25X1C

25X1

25X1

25X1C
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SECRET
R-218/66
November 1967

25X1A

	XJ472243 UTM COORDINATES	210058N 1062503E GEOGRAPHIC COORDINATES
--	-----------------------------	--

NAME: XA SON PETROLEUM PRODUCTS STORAGE

LOCATION: 0.7 NM SW OF XA SON, ON THE SOUTH BANK OF THE SONG KINH THAY

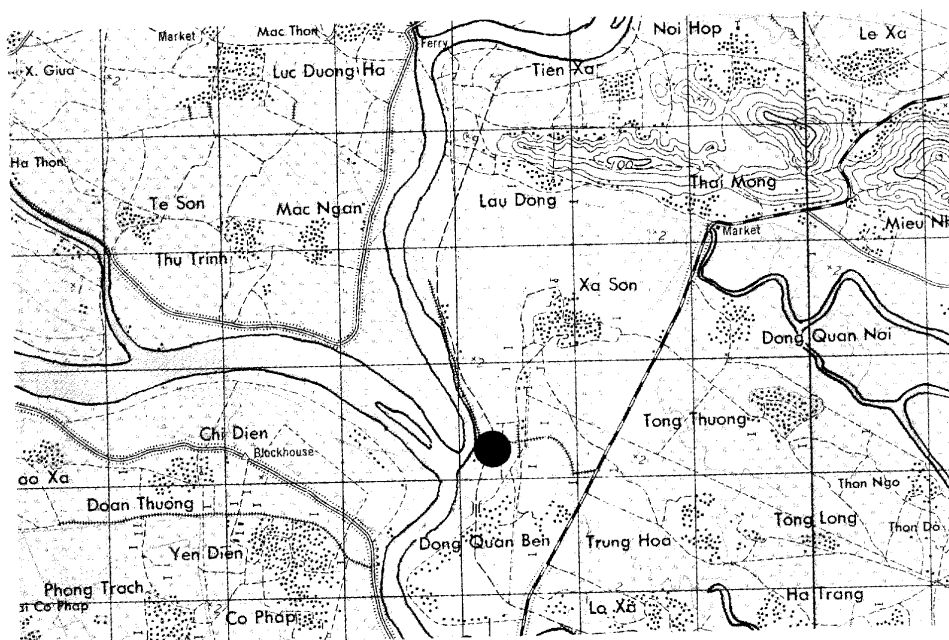
DESCRIPTION: STORAGE CONSISTS OF 4 BUNKERED AREAS WITH A TOTAL OF 32 LARGE TANKS, 8 UNCOVERED.

ESTIMATED CAPACITY: TANK 800 MT

MAP REFERENCES: AMS SERIES L7014, SHEET 6251-II, 1ST ED, 1965 (U)
AMS SERIES JOG(G) 1501, SHEET NF 48-11, 1ST ED, JUN 65 (U)

25X1D

PHOTO REFERENCE:



25X1C
Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8
SECRET

25X1

25X1

25X1C
Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8

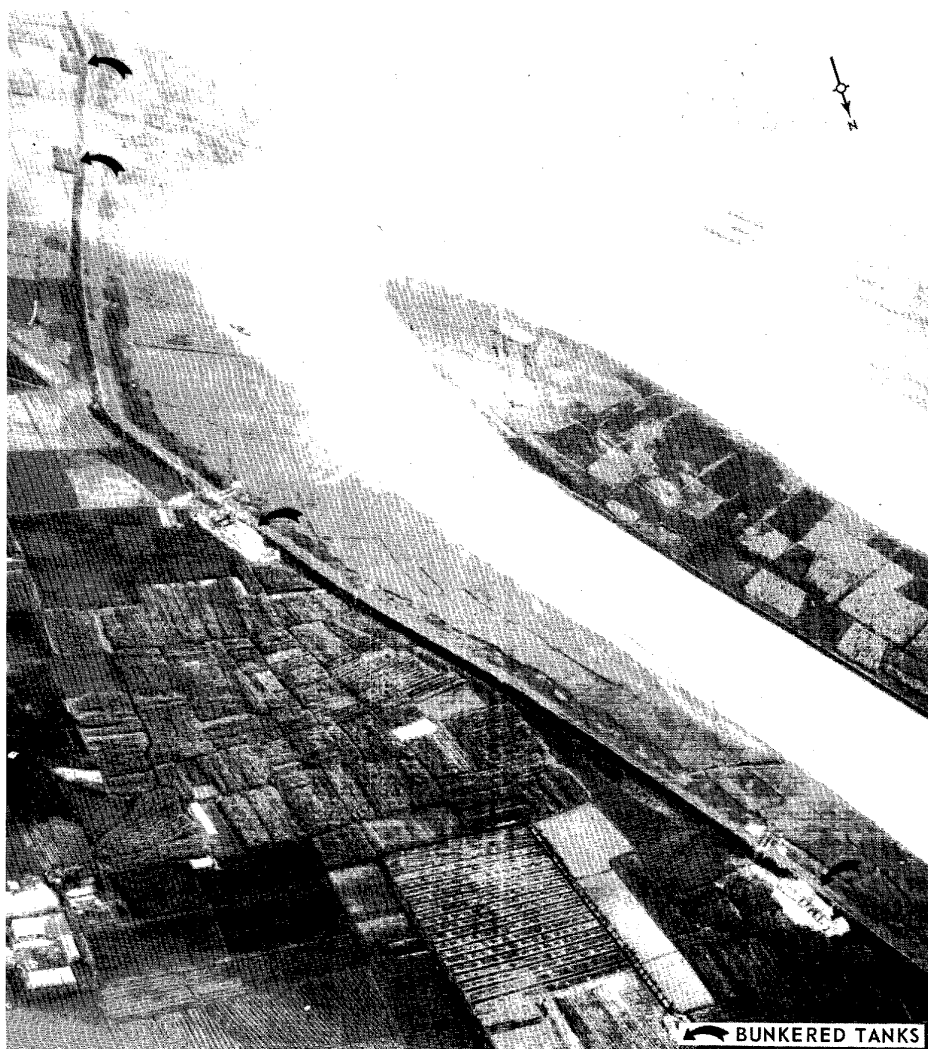
SECRET

R-218/66
ber 1967

XA SON PETROLEUM PRODUCTS STORAGE

XJ472243
UTM COORDINATES

210058N 1062503E
GEOGRAPHIC COORDINATES



BUNKERED TANKS

25X1C

B208

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SECRET

25X1

25X1A

XJ515215
UTM COORDINATES

205920N 1062726E
GEOGRAPHIC COORDINATES

NAME: CAM LAM THUONG PETROLEUM PRODUCTS STORAGE

LOCATION: 0.4 NM NW OF CAM LAM THUONG, ON THE SOUTH BANK OF THE SONG KINH
MON

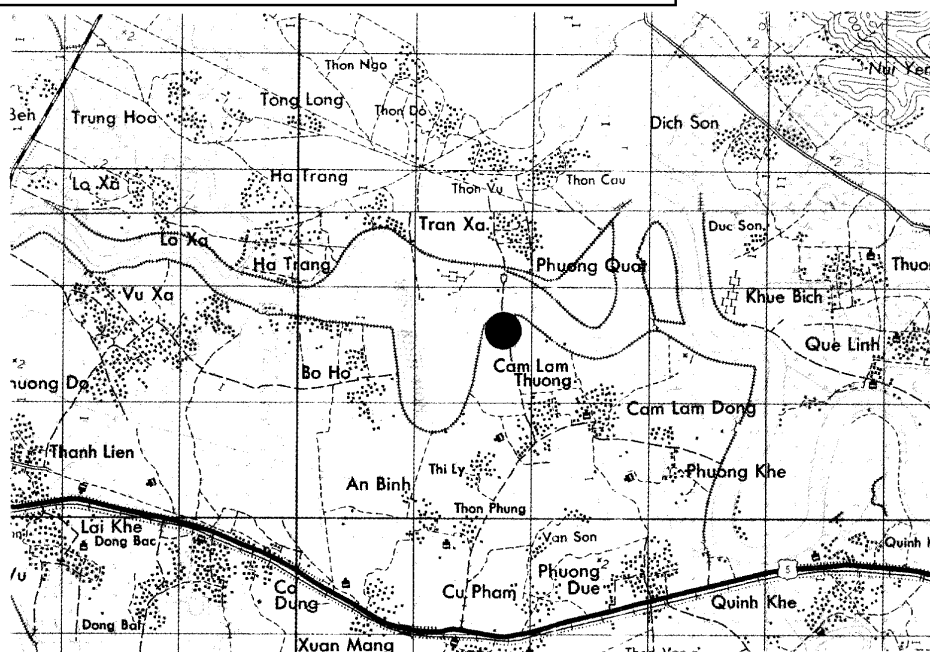
DESCRIPTION: STORAGE CONSISTS OF 16 LARGE TANKS, 4 IN EACH OF 4 BUNKERS.
TANKS WERE OBSERVED BEING EMPLACED

25X1D

ESTIMATED CAPACITY: TANK 400 MT

MAP REFERENCES: AMS SERIES L7014, SHEET 6250-I, 1ST ED, 1965 (U)
AMS SERIES JOG(G) 1501, SHEET NF 48-15, 1ST ED, JUN 65 (U)

25X1D



25X1C

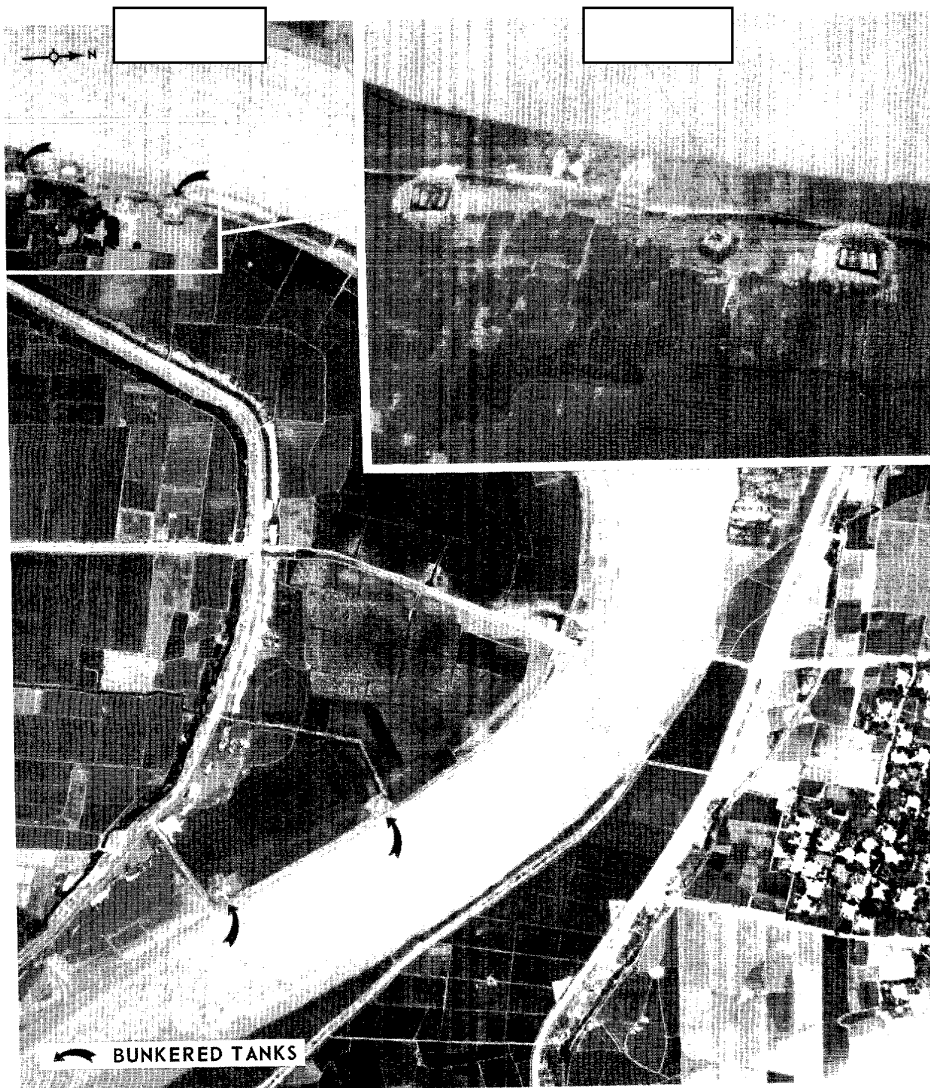
Approved For Release 2003/08/09 : CIA-RDP78B04560A005500010037-8

R-218/66
8 November 1967

CAM LAM THUONG PETROLEUM PRODUCTS STORAGE

XJ515215
UTM COORDINATES

205920N 1062726E
GEOGRAPHIC COORDINATES



25X1C

B210

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25X1

25X1C
Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8
SECRET
R-218/66
8 November 1967

BE NUMBER	UTM COORDINATES	GEOGRAPHIC COORDINATES
	XE623329	172840N 1063145E

NAME: PHU QUI PETROLEUM PRODUCTS STORAGE PUG NO 2

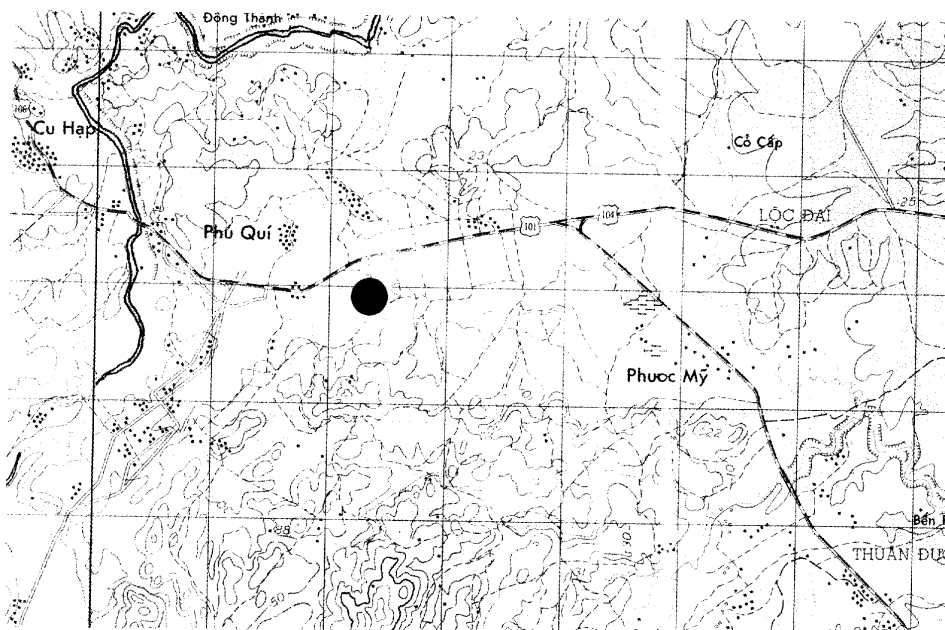
LOCATION: 0.5 NM SE OF PHU QUI, 0.2 NM SOUTH OF ROUTE 104

DESCRIPTION: STORAGE AREA CONTAINS 5 SMALL STORAGE TANKS IN OPEN EXCAVATIONS.

ESTIMATED CAPACITY: TANK 35 MT

MAP REFERENCES: AMS SERIES L7014, SHEET 6343-IV, 1ST ED, 1965 (U)
AMS SERIES JOG(G) 1501, SHEET NE 48-12, 1ST ED, JUN 65 (U)

25X1D



25X1C
Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8
SECRET
B211

25X1

25X1

25X1C
Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8

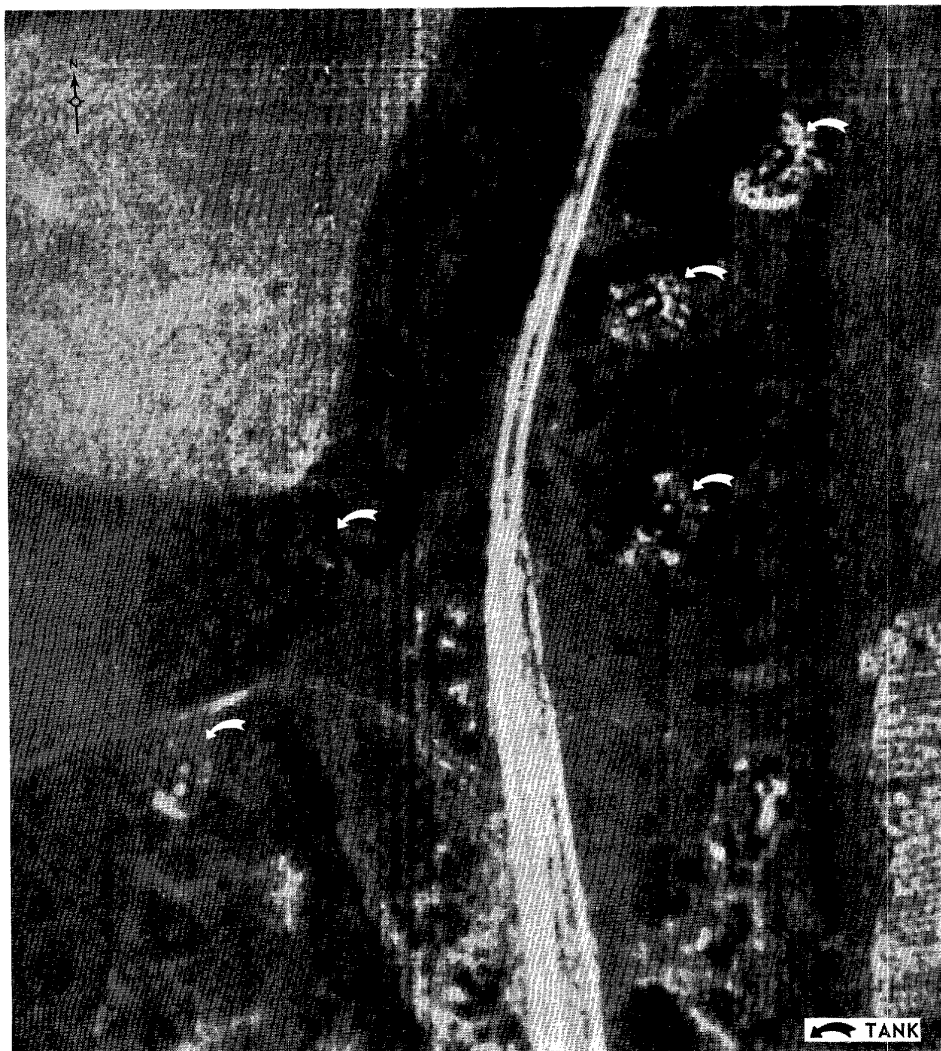
SECRET

R-218/66
8 November 1967

PHU QUI PETROLEUM PRODUCTS STORAGE PUG NO 2

XE623329
UTM COORDINATES

172840N 1063145E
GEOGRAPHIC COORDINATES



25X1

25X1C
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B212

SECRET

25X1

25X1C
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November 1967

25X1A

XK438268
UTM COORDINATES

215625N 1062330E
GEOGRAPHIC COORDINATES

NAME: KHON PHAI DAN PETROLEUM PRODUCTS STORAGE

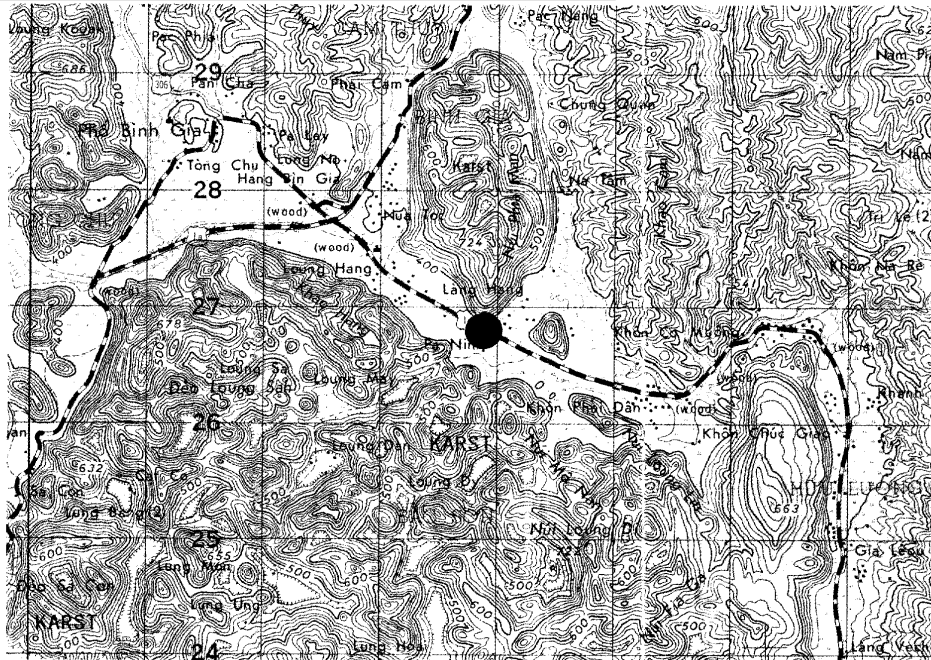
LOCATION: BETWEEN LOUNG HANG AND KHON PHAI DAN, ALONG BOTH SIDES OF ROUTE 1B

DESCRIPTION: STORAGE AREA CONSISTS OF 12 LARGE BUNKERED TANKS, 1 LARGE TANK IN AN OPEN EXCAVATION, AND 11 EMPTY EXCAVATIONS.

ESTIMATED CAPACITY: TANK 325 MT

MAP REFERENCES: AMS SERIES L7014, SHEET 6252-I, 1ST ED, 1965 (U)
AMS SERIES JOG(G) 1501, SHEET NF 48-11, 1ST ED, JUN 65 (U)

25X1D



25X1C

B213

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SECRET

25X1

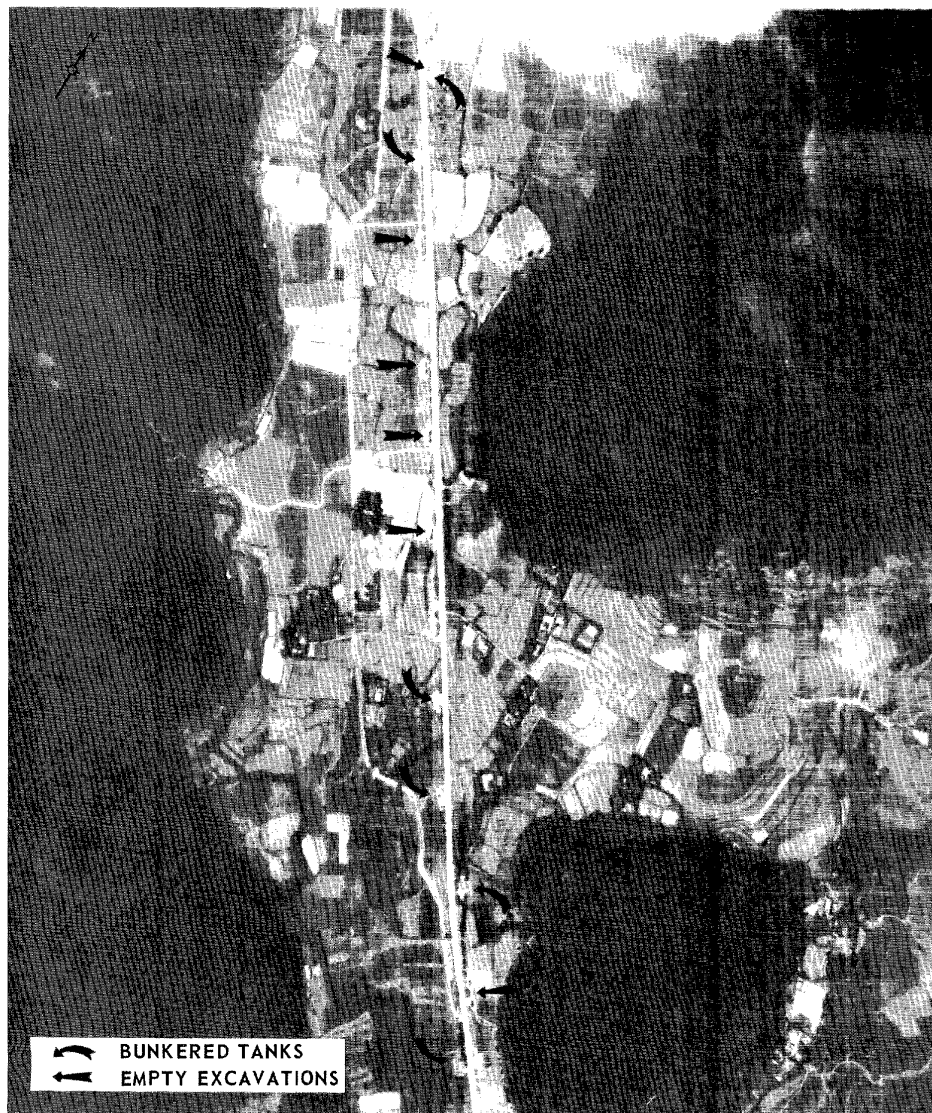
25X1

25X1C
Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8
SECRET
R-218/66
8 November 1967

KHON PHAI DAN PETROLEUM PRODUCTS STORAGE

XK438268
UTM COORDINATES

215625N 1062330E
GEOGRAPHIC COORDINATES



25X1C
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SECRET
B214

25X1

25X1

25X1C
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SECRET
R-218/66
November 1967

25X1A

	XK478220 UTM COORDINATES	215350N 1062555E GEOGRAPHIC COORDINATES
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NAME: NA PIA PETROLEUM PRODUCTS STORAGE NW

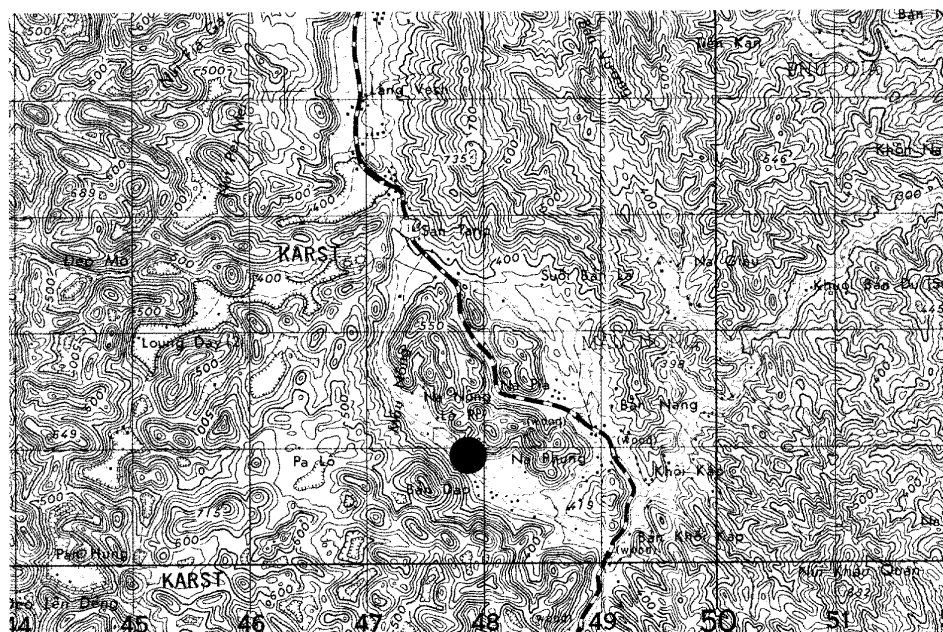
LOCATION: 0.5 NM NW OF NA PIA, 0.2 NM WEST OF NA PIA PETROLEUM PRODUCTS
STORAGE, ALONG ROUTE 1B

DESCRIPTION: STORAGE CONSISTS OF 8 LARGE TANKS IN 4 BUNKERS AND 1 OPEN
EXCAVATION.

ESTIMATED CAPACITY: TANK 200 MT

MAP REFERENCES: AMS SERIES L7014, SHEET 6252-I, 1ST ED, 1965 (U)
AMS SERIES JOG(G) 1501, SHEET NF 48-11, 1ST ED, JUN 65 (U)

25X1D



25X1C
Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8
SECRET
R-215

25X1

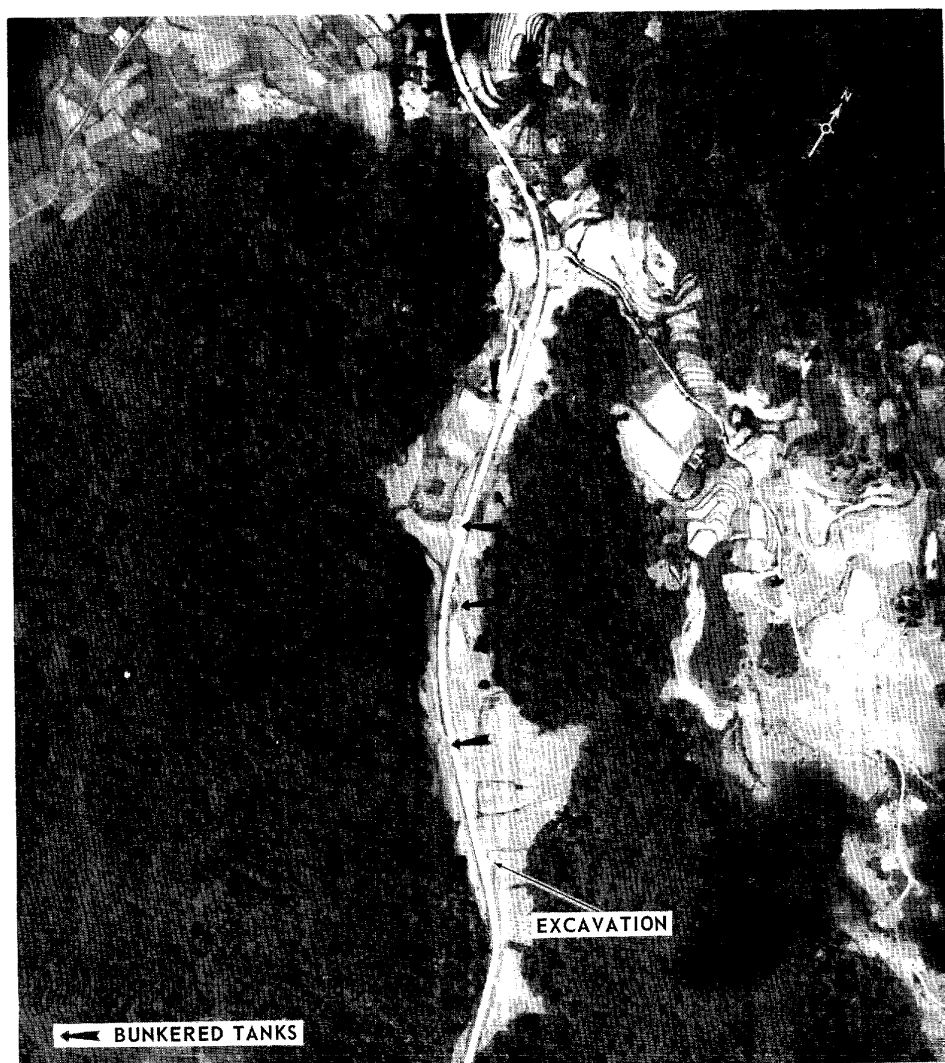
25X1

25X1G SECRET R-218/66
Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8
[redacted] [redacted] November 1967

NA PIA PETROLEUM PRODUCTS STORAGE NW

XK478220
UTM COORDINATES

215350N 1062555E
GEOGRAPHIC COORDINATES



25X1

25X1G B216
Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8
[redacted] [redacted] SECRET

Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8

XK725237
UTM COORDINATES

215440N 1064015E
GEOGRAPHIC COORDINATES

NAME: DONG DANG PETROLEUM PRODUCTS STORAGE NO 2

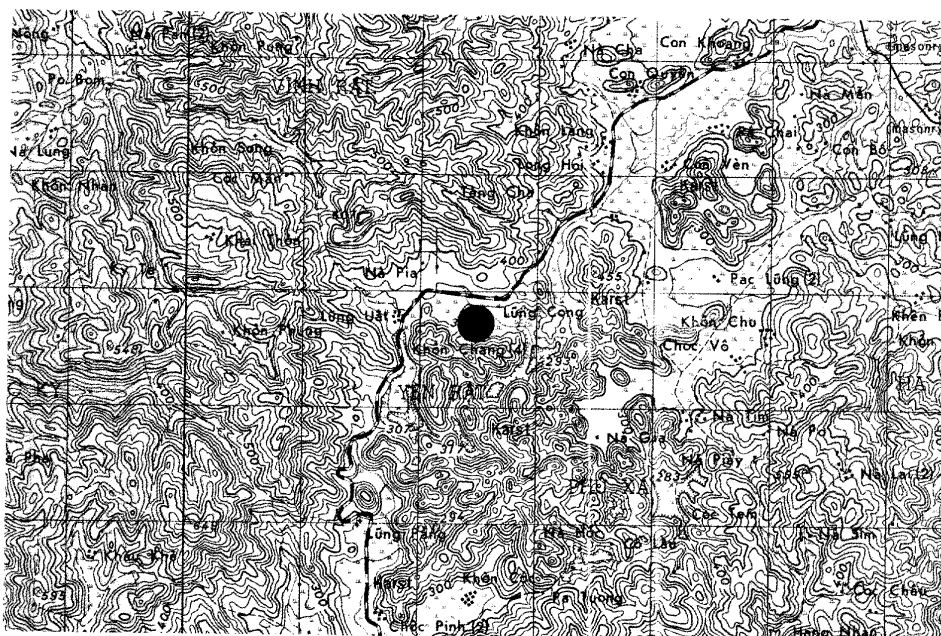
LOCATION: 2.8 NM SSW OF DONG DANG, EAST OF ROUTE 1B

DESCRIPTION: STORAGE AREA CONSISTS OF 58 BUNKERED LARGE TANKS IN PAIRS.

ESTIMATED CAPACITY: TANK 1,450 MT

MAP REFERENCES: AMS SERIES L7014, SHEET 6352-IV, 1ST ED, 1965 (U)
AMS SERIES JOG(G) 1501, SHEET NF 48-12, 1ST ED, JUN 65 (U)

25X1D



25X1C B217
Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8
~~SECRET~~

Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8
25X1C

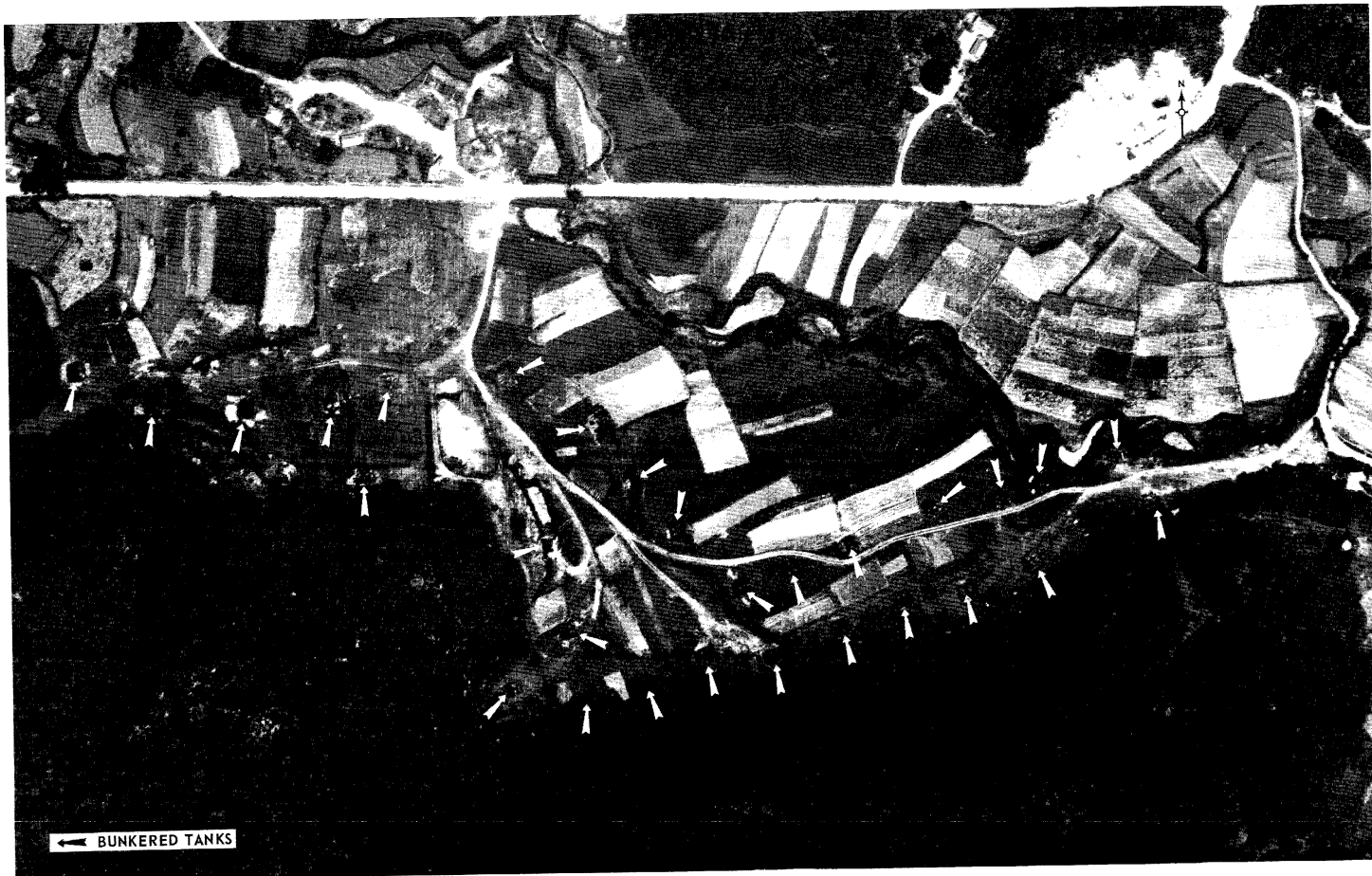
SECRET

R-218/66
8 November 1967

215440N 1064015E
GEOGRAPHIC COORDINATES

XK725237
UTM COORDINATES

DONG DANG PETROLEUM PRODUCTS STORAGE NO 2



25X1C

8218

SECRET

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Approved For Release 2003/08/04 : CIA-RDP78B04560A005500610037-8

SECRET

R-218/66
8 November 1967

25X1

25X1A

XK743237
UTM COORDINATES

215443N 1064116E
GEOGRAPHIC COORDINATES

NAME: DONG DANG PETROLEUM PRODUCTS STORAGE NO 1

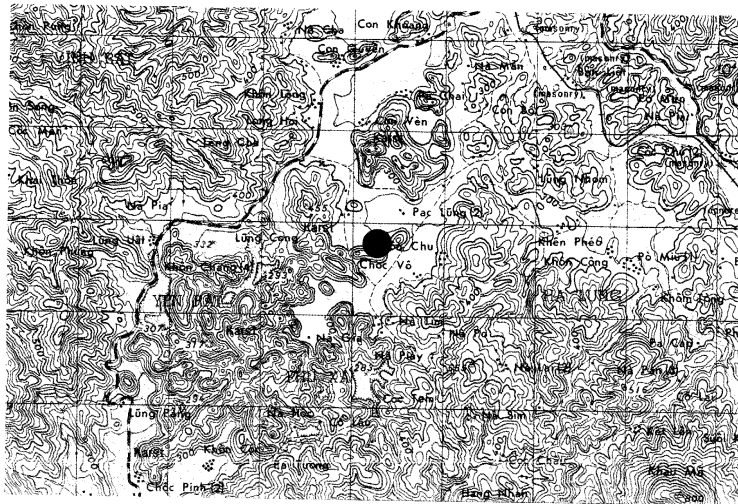
LOCATION: 2.3 NM SSW OF DONG DANG, EAST OF ROUTE 1B

DESCRIPTION: STORAGE AREA CONTAINS 11 BUNKERED TANKS, 11 TANKS IN OPEN EXCAVATIONS, AND 3 EMPTY EXCAVATIONS. AREA WAS FIRST OBSERVED WITH 15 EMPTY EXCAVATIONS

ESTIMATED CAPACITY: TANK 264 MT

MAP REFERENCES: AMS SERIES L7014, SHEET 6352-IV, 1ST ED, 1965 (U)
AMS SERIES JOG(G) 1501, SHEET NE 48-12, 1ST ED, JUN 65 (U)

25X1D



25X1C

B219
SECRET

Approved For Release 2003/08/04 : CIA-RDP78B04560A0055000100378

25X1

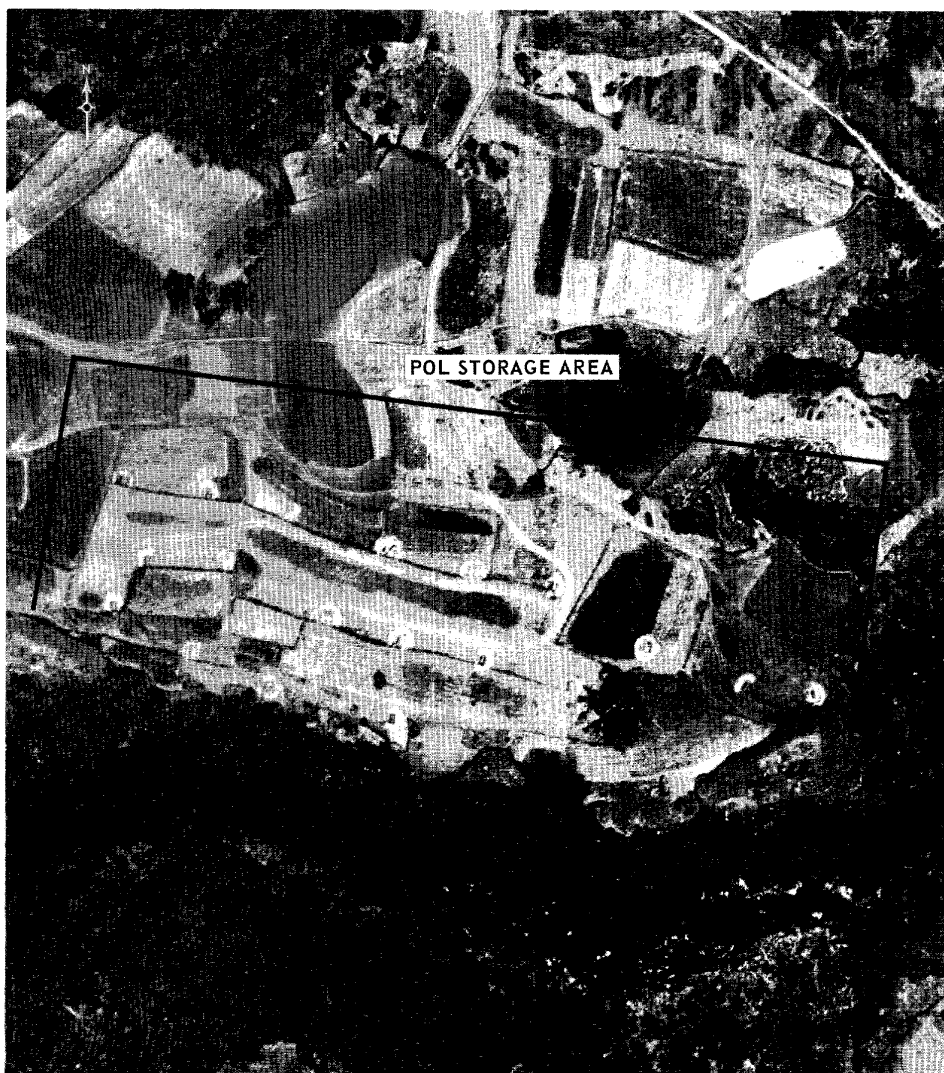
25X1

25X1C Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8
SECRET 8 November 1967

DONG DANG PETROLEUM PRODUCTS STORAGE NO 1

XK743237
UTM COORDINATES

215443N 1064116E
GEOGRAPHIC COORDINATES



25X1C B220 Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8
SECRET

25X1

25X1C
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8 November 1967

25X1A

XK484220
UTM COORDINATES

215352N 1062614E
GEOGRAPHIC COORDINATES

NAME: NA PIA PETROLEUM PRODUCTS STORAGE

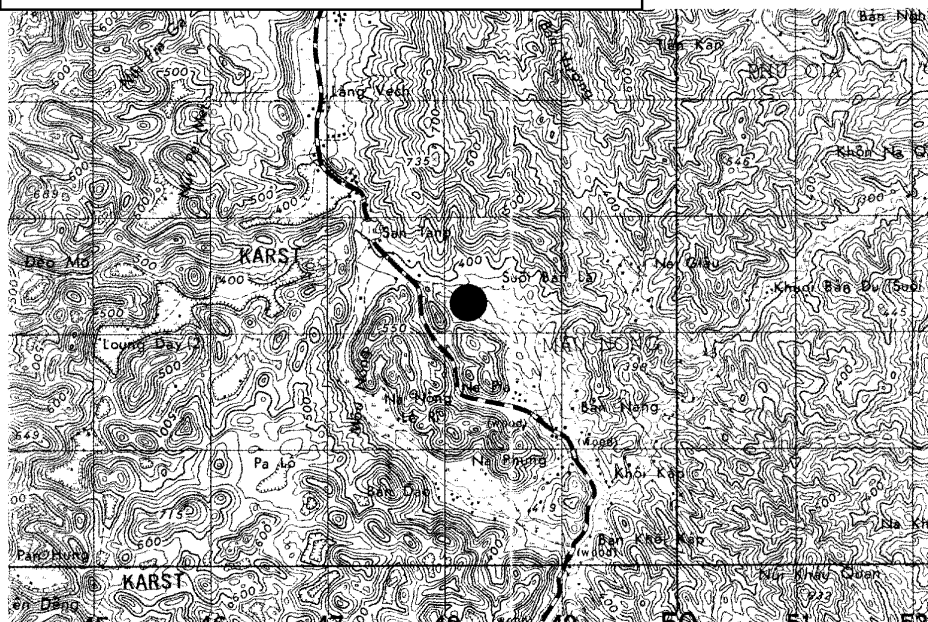
LOCATION: 0.2 NM NORTH OF NA PIA, EAST OF ROUTE 1B

DESCRIPTION: AREA CONTAINS 42 LARGE TANKS BUNKERED IN PAIRS AND DISPERSED
ALONG A SECONDARY ROAD.

ESTIMATED CAPACITY: TANK 1,050 MT

MAP REFERENCES: AMS SERIES L7014, SHEET 6252-I, 1ST ED, 1965 (U)
AMS SERIES JOG(G) 1501, SHEET NF 48-11, 1ST ED, JUN 65 (U)

25X1D



25X1C

B221

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SECRET

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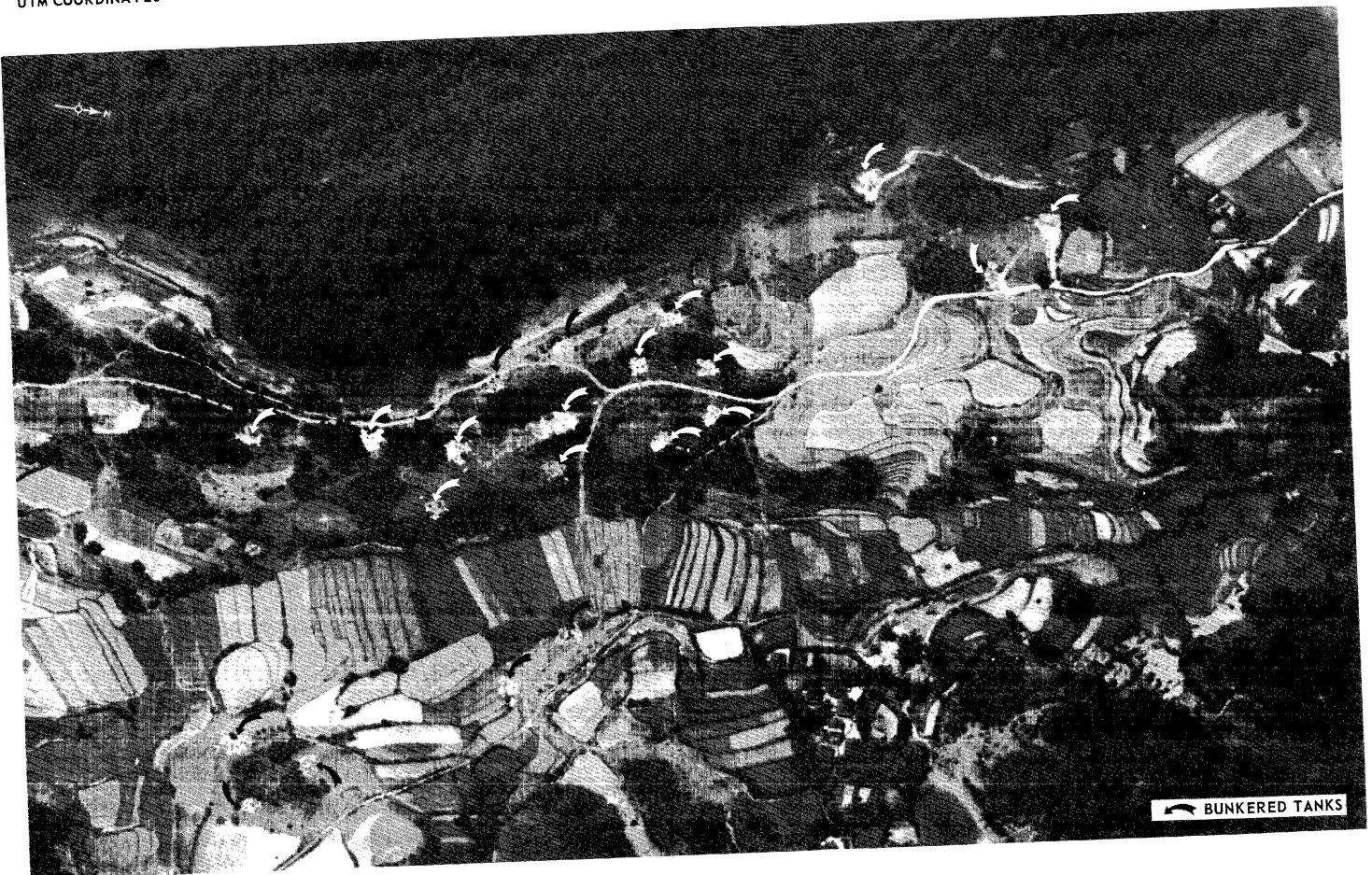
SECRET

R-218/66
8 November 1967

NA PIA PETROLEUM PRODUCTS STORAGE

215352N 1062614E
GEOGRAPHIC COORDINATES

XK484220
UTM COORDINATES



25X1C

B222

SECRET

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25X1

25X1C

SECRET

Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8

R-218/66

8 November 1967

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25X1A	Co Trung POL Storage Site	D19, D20
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25X1C

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SECRET

25X1

25X1

Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8

P-218/66

0616-
BE NUMBER

WJ809323
UTM COORDINATES

2105N 10546E
GEOGRAPHIC COORDINATES

NAME: THUY PHUONG POL STORAGE TANKS

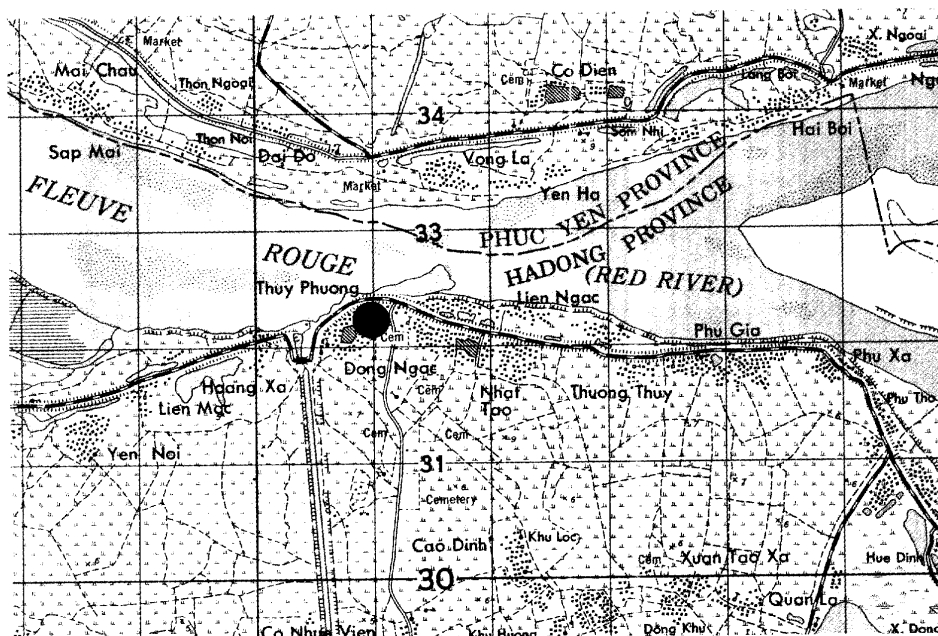
LOCATION: NE SECTION OF THUY PHUONG AND 5.3 NM NW OF HA NOI

DESCRIPTION: SITE CONTAINS A TOTAL OF 65 (55 STANDARD AND 10 LARGE) TANKS IN RANDOM STORAGE. THIRTY-SIX UNASSEMBLED TANK SECTIONS ARE ALSO OBSERVED. NO PERMANENT POL STORAGE FACILITY IS APPARENT AT THIS SITE.

ESTIMATED CAPACITY: NOT APPLICABLE

MAP REFERENCES: AMS SERIES L701, SHEET 6174 II, 3D ED, APR 63 (U)
AMS SERIES JOG(G) 1501, SHEET NF 48-11, 1ST ED, JUN 65 (U)

25X1D



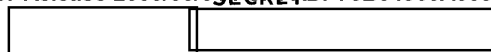
Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8

25X1

25X1

25X1C
Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8

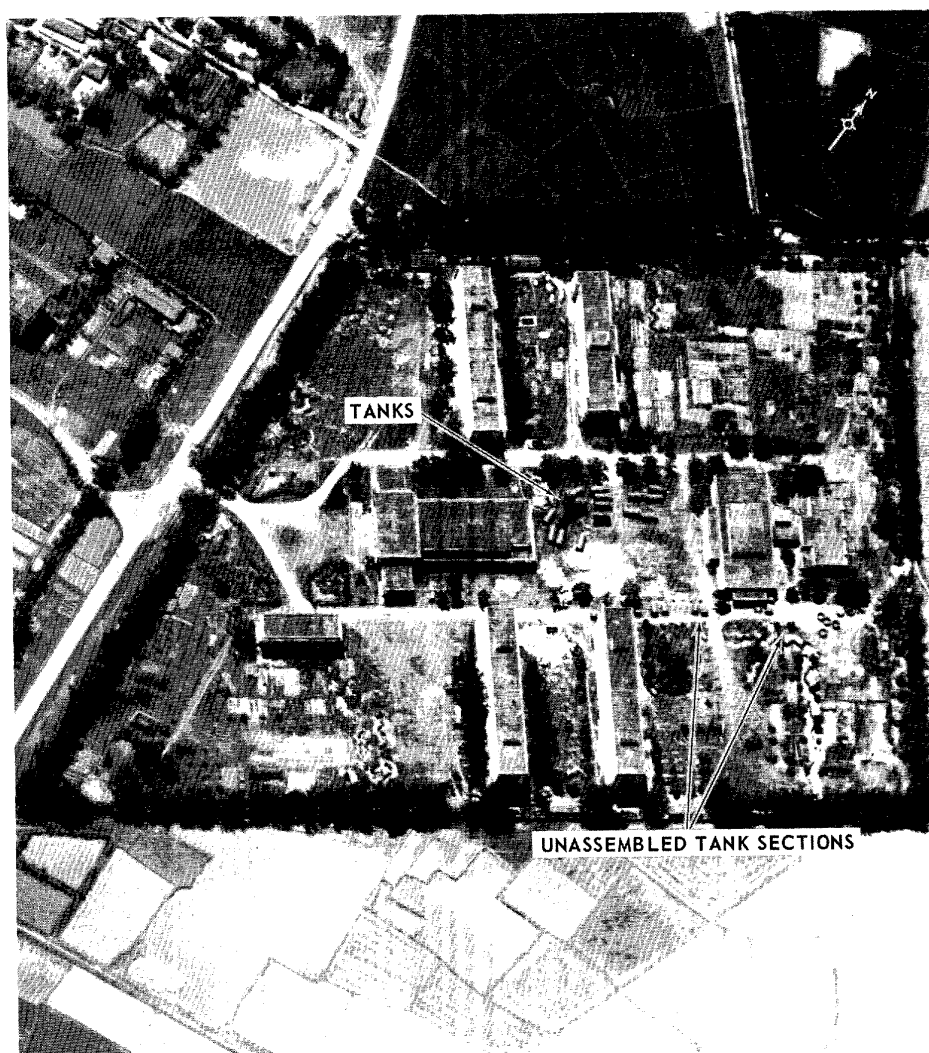
R-218/66
AUGUST 1967



HA DONG TANK FABRICATION AREA

WJ832211
UTM COORDINATES

205925N 1054801E
GEOGRAPHIC COORDINATES



25X1

25X1C
Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8

D60



BE NUMBER XJ838069 UTM COORDINATES 205118N 1064600E GEOGRAPHIC COORDINATES

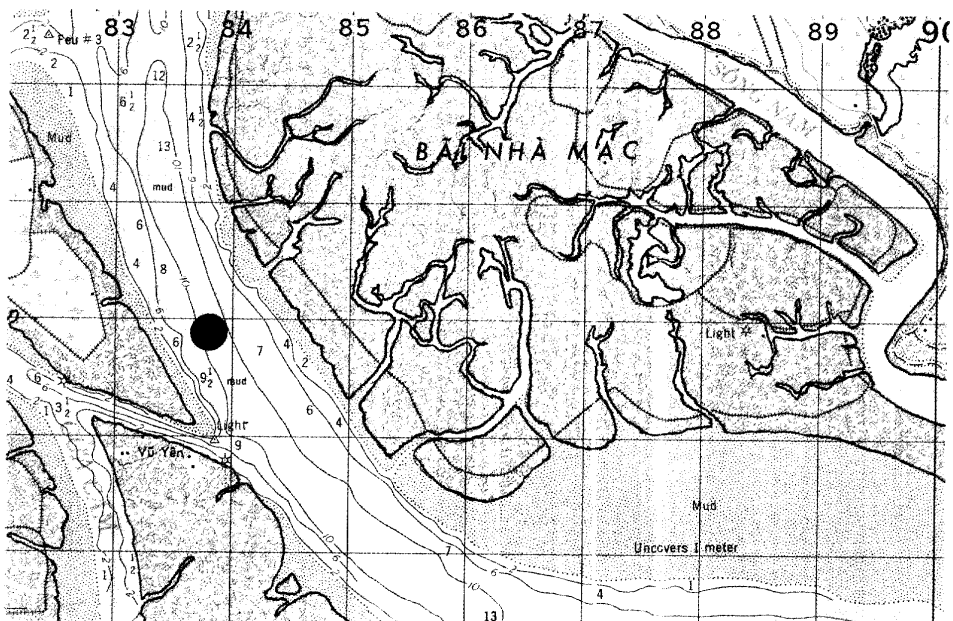
NAME: TANKER - POL BARGE OFFLOADING

LOCATION: TANKER ANCHORAGE, 4.6 NM EAST OF HAI PHONG

DESCRIPTION: FOUR PETROLEUM BARGE ARE OBSERVED ALONGSIDE A SOVIET LOCKBATAN/ALAGIR TANKER. TWO SIZES OF BARGES ARE APPARENT:

ESTIMATED CAPACITY: NOT APPLICABLE

MAP REFERENCES: AMS SERIES L7014, SHEET 6350-I, 1ST ED, 1965 (U)
25X1D AMS SERIES JOG(G) 1501, SHEET NF 48-16, 1ST ED, JUN 65 (U)



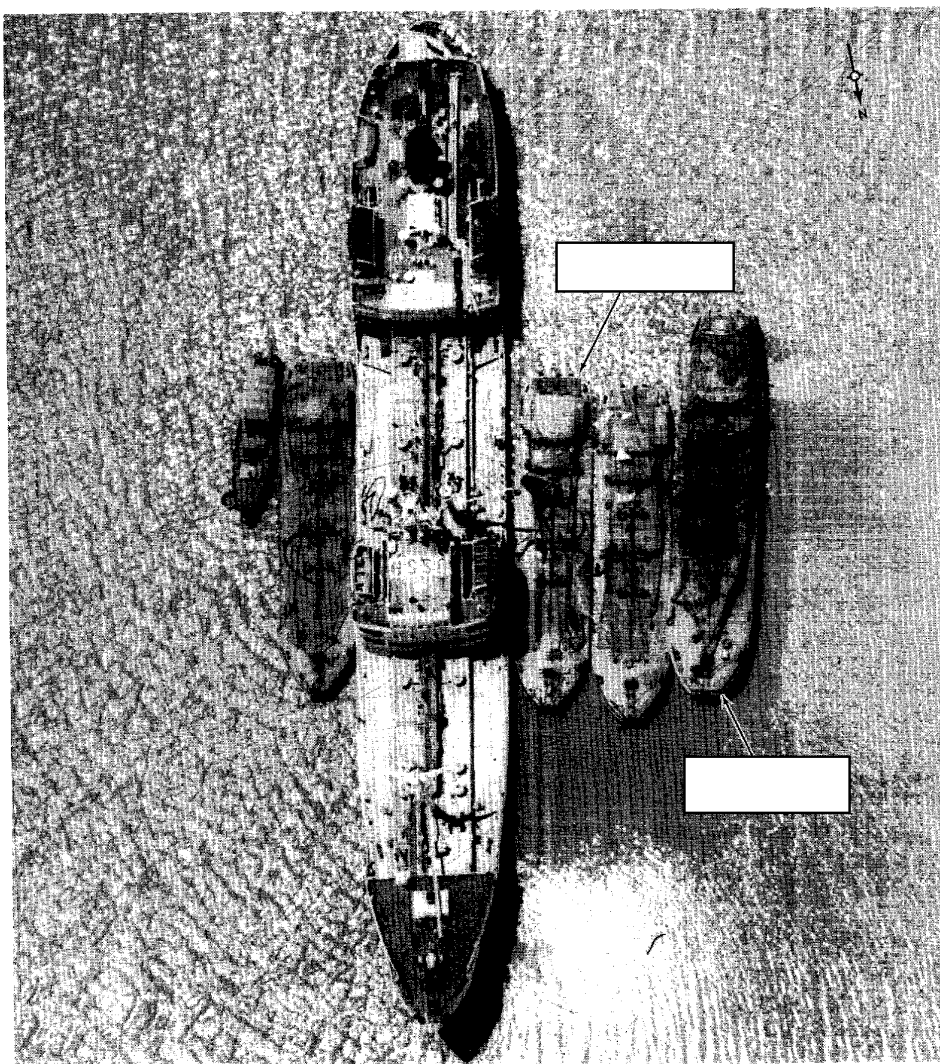
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SECRET
Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8
R-218/66
2967

TANKER - POL BARGE OFFLOADING

XJ838069
UTM COORDINATES

205118N 1064600E
GEOGRAPHIC COORDINATES



25X1

25X1

25X1C
D62
Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8
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25X1

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25X1A

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8 November 1967

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25X1

25X1

25X1C SECRET R-218/66
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R-218/66
9 November 1967

CAN THON PETROLEUM PRODUCTS STORAGE
JCS-51.18

XJ359660
UTM COORDINATES

25X1A

212335N 1061839E
GEOGRAPHIC COORDINATES

PRE-STRIKE TARGET DESCRIPTION

THIS STORAGE SITE LIES 0.9 NM NORTH OF CAN THON, 1.7 NM EAST OF KEP, AND 0.2 NM EAST OF ROUTE 181. [REDACTED] THE SITE CONTAINED 120 LARGE BUNKERED TANKS AND APPROXIMATELY 3,500 POL DRUMS WITH AN ESTIMATED CAPACITY OF 3,000 MT IN TANKS AND 700 MT IN DRUMS. PHOTOGRAPHY [REDACTED] REVEALS 13 TANKS ABOVEGROUND OR IN OPEN EXCAVATIONS, 24 EARTH-COVERED TANKS, AND 83 TANKS REMOVED. IT HAS A PRESENT CAPACITY OF 925 MT.

25X1

25X1

ACTIVE AAA DEFENSES HAVE BEEN IDENTIFIED WITHIN 3 NM OF THIS TARGET, WHICH IS IN A SAM-DEFENDED AREA.

DAMAGE OBJECTIVE IS DESTRUCTION OF STORED POL. DAMAGE CRITERION IS RUPTURE OF STORAGE TANKS AND DISTORTION OF EXPOSED PIPING AND EQUIPMENT. FIRING OF SPILLED CONTENTS WILL ENHANCE DISABILITY.

DESTRUCTION OF THIS FACILITY AND STOCKS ON HAND WOULD NOT CRITICALLY AFFECT THE NORTH VIETNAMESE. LOSS OF THE TANKS THEMSELVES IS THE MOST SERIOUS RESULT, AND REROUTING OF SUPPLIES IS REQUIRED.

IT APPEARS THAT THE SITE IS BEING ABANDONED, RATHER THAN RESTORED.

PREPARED BY DEFENSE INTELLIGENCE AGENCY
X-B33

25X1C

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SECRET

25X1

25X1

25X1C SECRET
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R-218/66
1967

CO NHUE VIEN P

WJ807280
UTM COORDINATES

25X1A

210250N 1054625E
GEOGRAPHIC COORDINATES

PRE-STRIKE TARGET DESCRIPTION

THIS STORAGE SITE LIES 0.3 NM WEST OF CO NHUE VIEN, ALONG THE EAST BANK OF A CANAL, AND 2.3 NM SOUTH OF THE CUA CAM. IT CONSISTS OF 62 BUNKERED TANKS DISPERSED ALONG A SECONDARY ROAD. THE ESTIMATED CAPACITY OF THE TANKS IS 744 MT.

THIS AREA IS PART OF THE DISPERSED STORAGE SYSTEM UTILIZED FOR STRATEGIC RESERVES AND/OR LOCAL CONSUMPTION.

ACTIVE AAA DEFENSES HAVE BEEN IDENTIFIED WITHIN 3 NM OF THIS TARGET, WHICH IS IN A SAM-DEFENDED AREA.

RESTORATION OF THIS TARGET TO FULL, PRE-STRIKE CAPABILITY WOULD REQUIRE APPROXIMATELY 2 - 3 WEEKS, WITH MATERIALS AT THE SITE. NORTH VIETNAM IS PRESENTLY FABRICATING SMALL HORIZONTAL TANKS, BUT MUST IMPORT THE VARIOUS COMPONENT PARTS. RELIANCE ON IMPORTED MATERIALS IS EXPECTED TO CONTINUE INDEFINITELY.

PREPARED BY DEFENSE INTELLIGENCE AGENCY
25X1C X-B99

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25X1

25X1

25X1C
Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8
R-218/66
8 November 1967

WJ733457
UTM COORDINATES

25X1A

211252N 1054225E
GEOGRAPHIC COORDINATES

PRE-STRIKE TARGET DESCRIPTION

THIS ROAD-SERVED STORAGE SITE LIES 2 NM WEST OF ROUTE 2 AND 3.5 NM NORTH OF THE RED RIVER. IT CONSISTS OF 10 BUNKERED TANKS AND APPROXIMATELY 200 DRUMS WITH AN ESTIMATED CAPACITY OF 164 MT.

THIS AREA IS PART OF THE DISPERSED STORAGE SYSTEM UTILIZED FOR STRATEGIC RESERVES AND/OR LOCAL CONSUMPTION.

TWENTY-EIGHT SAM SITES HAVE BEEN IDENTIFIED WITHIN SA-2 MISSILE RANGE (17.5 NM) OF THE TARGET, AND 45 ADDITIONAL SITES HAVE BEEN IDENTIFIED WITHIN AN 18 - 30 NM RADIUS. NO ACTIVE AAA SITES HAVE BEEN IDENTIFIED WITHIN 3 NM OF THE TARGET; HOWEVER, THERE ARE INACTIVE SITES IN THE AREA. SPARSE HMG AND SMALL ARMS FIRE IS ANTICIPATED AGAINST AIRCRAFT.

RESTORATION OF THIS TARGET TO FULL, PRE-STRIKE CAPABILITY WOULD REQUIRE APPROXIMATELY 2 - 3 WEEKS, WITH MATERIALS AT THE SITE. NORTH VIETNAM IS PRESENTLY FABRICATING SMALL HORIZONTAL TANKS, BUT MUST IMPORT THE VARIOUS COMPONENT PARTS. RELIANCE ON IMPORTED MATERIALS IS EXPECTED TO CONTINUE INDEFINITELY.

25X1C
PREPARED BY DEFENSE INTELLIGENCE AGENCY
X-B153

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25X1

25X1

25X1C
Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8
SECRET
R-218/66
November 1967
QUYNH HOANG P

XJ663098
UTM COORDINATES

25X1A

205303N 1063600E
GEOGRAPHIC COORDINATES

PRE-STRIKE TARGET DESCRIPTION

THIS INSTALLATION, 0.5 NM NNW OF QUYNH HOANG, 5 NM WNW OF HAI PHONG, AND 1.3 NM WEST OF THE CUA CAM, CONSISTS OF 14 LARGE BUNKERED TANKS IN PAIRS ON BOTH SIDES OF A SECONDARY ROAD. IT HAS AN ESTIMATED CAPACITY OF 350 MT.

THIS AREA IS PART OF THE DISPERSED STORAGE SYSTEM UTILIZED FOR STRATEGIC RESERVES AND/OR LOCAL CONSUMPTION.

ACTIVE AAA DEFENSES HAVE BEEN IDENTIFIED WITHIN 3 NM OF THIS TARGET, WHICH IS IN A SAM-DEFENDED AREA.

RESTORATION OF THIS TARGET TO FULL, PRE-STRIKE CAPABILITY WOULD REQUIRE APPROXIMATELY 1 - 2 WEEKS, WITH MATERIALS AT THE SITE. NORTH VIETNAM IS PRESENTLY FABRICATING SMALL HORIZONTAL TANKS, BUT MUST IMPORT THE VARIOUS COMPONENT PARTS. RELIANCE ON IMPORTED MATERIALS IS EXPECTED TO CONTINUE INDEFINITELY.

25X1C

PREPARED BY DEFENSE INTELLIGENCE AGENCY
X-B203

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SECRET

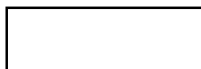
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[REDACTED] R-218/66
[REDACTED] 6 November 1967
[REDACTED] 25X1C
LANG SON PETROLEUM PRODUCTS STORAGE SOUTHEAST

XK935117
UTM COORDINATES

25X1A



214800N 1065222E
GEOGRAPHIC COORDINATES

PRE-STRIKE TARGET DESCRIPTION

THIS SITE, WHICH CONTAINS 12 LARGE TANKS BUNKERED IN PAIRS ON THE WEST SIDE OF A SECONDARY ROAD, LIES 6.6 NM SE OF LANG SON AND SOUTH OF ROUTE 4. IT HAS AN ESTIMATED CAPACITY OF 300 MT.

THIS AREA IS PART OF THE DISPERSED STORAGE SYSTEM UTILIZED FOR STRATEGIC RESERVES AND/OR LOCAL CONSUMPTION.

THERE ARE 3 SAM SITES LOCATED 17.5 - 30 NM SW OF THIS TARGET; NO ACTIVE AAA DEFENSES HAVE BEEN IDENTIFIED WITHIN A 3-NM RADIUS OF THE AREA.

RESTORATION OF THIS TARGET TO FULL, PRE-STRIKE CAPABILITY WOULD REQUIRE APPROXIMATELY 1 - 2 WEEKS, WITH MATERIALS AT THE SITE. NORTH VIETNAM IS PRESENTLY FABRICATING SMALL HORIZONTAL TANKS, BUT MUST IMPORT THE VARIOUS COMPONENT PARTS. RELIANCE ON IMPORTED MATERIALS IS EXPECTED TO CONTINUE INDEFINITELY.

25X1C

PREPARED BY DEFENSE INTELLIGENCE AGENCY
X-B205

Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8
[REDACTED] SECRET [REDACTED]

25X1

25X1

25X1C
Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8
SECRET
R-218/66
November 1967

XA SON PETROLEUM PRODUCTS STORAGE

XJ472243
UTM COORDINATES

25X1A

210058N 1062503E
GEOGRAPHIC COORDINATES

PRE-STRIKE TARGET DESCRIPTION

THIS STORAGE SITE LIES 0.7 NM SW OF XA SON, ON THE SOUTH BANK OF THE SONG KINH THAY. IT CONSISTS OF 4 BUNKERED AREAS WITH A TOTAL OF 32 LARGE TANKS, OF WHICH 8 ARE UNCOVERED. PRESENT ESTIMATED CAPACITY IS 800 MT.

THIS AREA IS PART OF THE DISPERSED STORAGE SYSTEM UTILIZED FOR STRATEGIC RESERVES AND/OR LOCAL CONSUMPTION.

ACTIVE AAA DEFENSES HAVE BEEN IDENTIFIED WITHIN 3 NM OF THIS TARGET, WHICH IS IN A SAM-DEFENDED AREA.

RESTORATION OF THIS TARGET TO FULL, PRE-STRIKE CAPABILITY WOULD REQUIRE APPROXIMATELY 2 - 3 WEEKS, WITH MATERIALS AT THE SITE. NORTH VIETNAM IS PRESENTLY FABRICATING SMALL HORIZONTAL TANKS, BUT MUST IMPORT THE VARIOUS COMPONENT PARTS. RELIANCE ON IMPORTED MATERIALS IS EXPECTED TO CONTINUE INDEFINITELY.

25X1C

PREPARED BY DEFENSE INTELLIGENCE AGENCY
X-B207

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SECRET

25X1

25X1

25X1C
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R-218/66

8 November 1967

CAM LAM THUONG

25X1A

XJ515215
UTM COORDINATES

205920N 1062726E
GEOGRAPHIC COORDINATES

PRE-STRIKE TARGET DESCRIPTION

THIS AREA IS 0.4 NM NW OF CAM LAM THUONG, ON THE SOUTH BANK OF THE SONG KINH MON. IT CONSISTS OF 16 LARGE TANKS (4 IN EACH OF 4 BUNKERS) AND HAS AN ESTIMATED CAPACITY OF 400 MT.

THIS AREA IS PART OF THE DISPERSED STORAGE SYSTEM UTILIZED FOR STRATEGIC RESERVES AND/OR LOCAL CONSUMPTION.

ACTIVE AAA DEFENSES HAVE BEEN IDENTIFIED WITHIN 3 NM OF THIS TARGET, WHICH IS IN A SAM-DEFENDED AREA.

RESTORATION OF THIS TARGET TO FULL, PRE-STRIKE CAPABILITY WOULD REQUIRE APPROXIMATELY 1 - 2 WEEKS, WITH MATERIALS AT THE SITE. NORTH VIETNAM IS PRESENTLY FABRICATING SMALL HORIZONTAL TANKS, BUT MUST IMPORT THE VARIOUS COMPONENT PARTS. RELIANCE ON IMPORTED MATERIALS IS EXPECTED TO CONTINUE INDEFINITELY.

PREPARED BY DEFENSE INTELLIGENCE AGENCY
X-B209

25X1C
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SECRET

25X1

25X1

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[REDACTED] R-218/66 November 1967
PHU QUI PETROLEUM PRODUCTS STORAGE PUG NO. 2 25X1C

XE623329
UTM COORDINATES

172840N 1063145E
GEOGRAPHIC COORDINATES

PRE-STRIKE TARGET DESCRIPTION

THIS STORAGE AREA, WITH A CAPACITY OF 35 MT IN 5 SMALL TANKS IN OPEN EXCAVATIONS, LIES 0.5 NM SE OF PHU QUI AND 0.2 NM SOUTH OF ROUTE 104.

THIS AREA IS PART OF THE DISPERSED STORAGE SYSTEM UTILIZED FOR STRATEGIC RESERVES AND/OR LOCAL CONSUMPTION.

THERE IS 1 ACTIVE SAM SITE WITHIN A 30-NM RADIUS OF THE TARGET. ACTIVE AAA DEFENSES HAVE BEEN IDENTIFIED WITHIN 3 NM OF THE AREA.

RESTORATION OF THIS TARGET TO FULL, PRE-STRIKE CAPABILITY WOULD REQUIRE APPROXIMATELY 1 -2 WEEKS, WITH MATERIALS AT THE SITE. NORTH VIETNAM IS PRESENTLY FABRICATING SMALL HORIZONTAL TANKS, BUT MUST IMPORT THE VARIOUS COMPONENT PARTS. RELIANCE ON IMPORTED MATERIALS IS EXPECTED TO CONTINUE INDEFINITELY.

PREPARED BY DEFENSE INTELLIGENCE AGENCY
X-B211

25X1C
Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8
[REDACTED] SECRET [REDACTED]

25X1

25X1

25X1C
Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8
SECRET
R-218/66
November 1967
KHON PHAI DAN PETROLEUM PRODUCTS STORAGE

XK438268
UTM COORDINATES

25X1A

215625N 1062330E
GEOGRAPHIC COORDINATES

PRE-STRIKE TARGET DESCRIPTION

LOCATED BETWEEN LOUNG HANG AND KHON PHAI DAN, ALONG BOTH SIDES OF ROUTE 1B, THIS STORAGE AREA CONSISTS OF 12 LARGE BUNKERED TANKS, 1 LARGE TANK IN AN EXCAVATION, AND 11 EMPTY EXCAVATIONS. IT HAS AN ESTIMATED CAPACITY OF 325 MT.

THIS AREA IS PART OF THE DISPERSED STORAGE SYSTEM UTILIZED FOR STRATEGIC RESERVES AND/OR LOCAL CONSUMPTION.

THERE ARE SEVERAL SAM SITES WITHIN 17.5 - 30 NM SW OF THIS TARGET. NO ACTIVE AAA DEFENSES HAVE BEEN IDENTIFIED WITHIN 3 NM.

RESTORATION OF THIS TARGET TO FULL, PRE-STRIKE CAPABILITY WOULD REQUIRE APPROXIMATELY 1 - 2 WEEKS, WITH MATERIALS AT THE SITE. NORTH VIETNAM IS PRESENTLY FABRICATING SMALL HORIZONTAL TANKS, BUT MUST IMPORT THE VARIOUS COMPONENT PARTS. RELIANCE ON IMPORTED MATERIALS IS EXPECTED TO CONTINUE INDEFINITELY.

25X1C

PREPARED BY DEFENSE INTELLIGENCE AGENCY
X-B213

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SECRET

25X1

Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8
25X1G
SECRET
R-218/66
6 November 1967
NA PIA PETROLEUM PRODUCTS STORAGE NORTHWEST

25X1A
XK478220
UTM COORDINATES
215350N 1062555E
GEOGRAPHIC COORDINATES

PRE-STRIKE TARGET DESCRIPTION

THIS SITE LIES 0.5 NM NW OF NA PIA, ALONG ROUTE 1B, AND 0.2 NM WEST OF NA PIA PETROLEUM PRODUCTS STORAGE. IT CONSISTS OF 8 TANKS IN 4 BUNKERS WITH AN ESTIMATED CAPACITY OF 200 MT, AND 1 OPEN EXCAVATION.

THIS AREA IS PART OF THE DISPERSED STORAGE SYSTEM UTILIZED FOR STRATEGIC RESERVES AND/OR LOCAL CONSUMPTION.

SEVERAL SAM SITES ARE LOCATED 17.5 - 30 NM SW OF THIS TARGET, BUT NO ACTIVE AAA DEFENSES HAVE BEEN IDENTIFIED WITHIN A 3-NM RADIUS.

RESTORATION OF THIS TARGET TO FULL, PRE-STRIKE CAPABILITY WOULD REQUIRE APPROXIMATELY 1 - 2 WEEKS, WITH MATERIALS AT THE SITE. NORTH VIETNAM IS PRESENTLY FABRICATING SMALL HORIZONTAL TANKS, BUT MUST IMPORT THE COMPONENT PARTS. RELIANCE ON IMPORTED MATERIALS IS EXPECTED TO CONTINUE INDEFINITELY.

PREPARED BY DEFENSE INTELLIGENCE AGENCY
X-B215
Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8
25X1G
SECRET

25X1

25X1

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SECRET
R-218/66
November 1967
25X1C
DONG DANG PETROLEUM PRODUCTS STORAGE NO. 2

XK725237
UTM COORDINATES

25X1A

215440N 1064015E
GEOGRAPHIC COORDINATES

PRE-STRIKE TARGET DESCRIPTION

THIS STORAGE SITE, WHICH CONTAINS 58 TANKS BUNKERED IN PAIRS, IS 2.8 NM SSW OF DONG DANG, EAST OF ROUTE 1B. IT HAS AN ESTIMATED CAPACITY OF 1,450 MT.

THIS AREA IS PART OF THE DISPERSED STORAGE SYSTEM UTILIZED FOR STRATEGIC RESERVES AND/OR LOCAL CONSUMPTION.

NO ACTIVE AAA DEFENSES HAVE BEEN IDENTIFIED WITHIN 3 NM OF THIS TARGET. THERE ARE NO KNOWN SAM SITES WITHIN 30 NM OF THE AREA.

RESTORATION OF THIS TARGET TO FULL, PRE-STRIKE CAPABILITY WOULD REQUIRE APPROXIMATELY 2 - 3 WEEKS, WITH MATERIALS AT THE SITE. NORTH VIETNAM IS PRESENTLY FABRICATING SMALL HORIZONTAL TANKS, BUT MUST IMPORT THE VARIOUS COMPONENT PARTS. RELIANCE ON IMPORTED MATERIALS IS EXPECTED TO CONTINUE INDEFINITELY.

25X1C
PREPARED BY DEFENSE INTELLIGENCE AGENCY
X-B217

Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8

25X1

25X1

25X1C
Approved For Release 2003/08/04 : CIA-RDP78B04560A005500010037-8
[REDACTED]
DONG DANG PETROLEUM PRODUCTS STORAGE NO. 1

R-218/66
November 1967

XK743237
UTM COORDINATES

25X1A

[REDACTED]

215443N 1064116E
GEOGRAPHIC COORDINATES

PRE-STRIKE TARGET DESCRIPTION

THIS STORAGE AREA LIES 2.3 NM SSW OF DONG DANG, EAST OF ROUTE 1B. IT CONTAINS 11 BUNKERED TANKS, 11 TANKS IN OPEN EXCAVATIONS, AND 3 EMPTY EXCAVATIONS. IT HAS AN ESTIMATED CAPACITY OF 264 MT.

THIS AREA IS PART OF THE DISPERSED STORAGE SYSTEM UTILIZED FOR STRATEGIC RESERVES AND/OR LOCAL CONSUMPTION.

THERE ARE NO KNOWN SAM SITES WITHIN 30 NM OF THE TARGET, NOR HAVE ANY ACTIVE AAA DEFENSES BEEN IDENTIFIED WITHIN A 3-NM RADIUS.

RESTORATION OF THIS TARGET TO FULL, PRE-STRIKE CAPABILITY WOULD REQUIRE APPROXIMATELY 1 - 2 WEEKS, WITH MATERIALS AT THE SITE. NORTH VIETNAM IS PRESENTLY FABRICATING SMALL HORIZONTAL TANKS, BUT MUST IMPORT THE VARIOUS COMPONENT PARTS. RELIANCE ON IMPORTED MATERIALS IS EXPECTED TO CONTINUE INDEFINITELY.

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R-218/66
8 Nov 1967
NA PIA PETROLEUM PRODUCTS STORAGE

XK484220
UTM COORDINATES
25X1A
215352N 1062614E
GEOGRAPHIC COORDINATES

PRE-STRIKE TARGET DESCRIPTION

THIS STORAGE SITE LIES EAST OF ROUTE 1B AND 0.2 NM NORTH OF NA PIA. IT CONTAINS 42 LARGE BUNKERED TANKS IN PAIRS, DISPERSED ALONG A SECONDARY ROAD. ESTIMATED CAPACITY OF THE SITE IS 1,050 MT.

THIS AREA IS PART OF THE DISPERSED STORAGE SYSTEM UTILIZED FOR STRATEGIC RESERVES AND/OR LOCAL CONSUMPTION.

THERE ARE SEVERAL SAM SITES LOCATED BETWEEN 17.5 - 30 NM SW OF THIS TARGET; NO ACTIVE AAA DEFENSES HAVE BEEN IDENTIFIED WITHIN 3 NM.

RESTORATION OF THIS TARGET TO FULL, PRE-STRIKE CAPABILITY WOULD REQUIRE APPROXIMATELY 2 - 3 WEEKS, WITH MATERIALS AT THE SITE. NORTH VIETNAM IS PRESENTLY FABRICATING SMALL HORIZONTAL TANKS, BUT MUST IMPORT THE VARIOUS COMPONENT PARTS. RELIANCE ON IMPORTED MATERIALS IS EXPECTED TO CONTINUE INDEFINITELY.

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ANNEX II

25X1A

	<u>Installation Name</u>	<u>Capacity</u>	
		<u>MT Water</u>	<u>MT POL</u>
	Viet Tri Petroleum Products Storage	25	21
	Phuc Yen Airfield POL Storage Area	4,200	3,530
	Hia Gia Petroleum Products Storage SSW UG	9,188	7,718
	Ha Noi Petroleum Products Storage Thanh Am	600	504
	Nguyen Khe Petroleum Products Storage	5,925	4,977
	Bac Giang Petroleum Products Storage	1,900	1,596
	Nam Dinh Petroleum Products Storage	13,120	11,021
	Hai Phong Petroleum Products Storage	48,348	40,612
	Duong Nham Petroleum Products Storage	--	--
	Do Son Petroleum Products Storage	--	--
	Phu Van POL Storage	--	--
	Vinh Petroleum Products Storage	1,600	1,344
	Phu Qui Petroleum Products Storage	9,000	7,560
	Hia Noi/Gia Lam Airfield POL Storage Area	850	714
	La Danh Petroleum Products Storage PUG	2,359	1,982
	Van Lung Petroleum Products Storage UG	352	295
	Van Lung Petroleum Products Storage West UG	84	71
	Hoang Mai POL Storage Area	300	252
	Ha Noi Petroleum Products Thi Cam	468	393
	Bai Thuong Petroleum Products Storage UG Southeast	555	466
	Son La Petroleum Products Storage	384	323
	Thuong Thon Petroleum Products Storage UG	--	--
	Ngoc Son Petroleum Products Storage PUG	348	292
	Thai Lai Petroleum Products Storage	120	101
	Yen Hau Petroleum Products Storage PUG	192	161
	Thanh Lang Petroleum Products Storage PUG	1,044	877
	Ha Noi Petroleum Products Storage UG Thanh Liet (Area 1)	516	433
	Ha Noi Petroleum Products Storage UG Thanh Liet (Area 2)	120	101
	Bang So Petroleum Products Storage PUG	234	197
	Son Chau Petroleum Products Storage PUG	--	--
	Can Thon Petroleum Products Storage	925	777
	Ha Noi Petroleum Products Storage Duc Noi (Area 1)	1,108	931
	Ha Noi Petroleum Products Storage Duc Noi (Area 2)	849	713
	Ha Noi Petroleum Products Storage Duc Noi (Area 3)	300	252
	Ha Noi Petroleum Products Storage Duc Noi (Area 4)	132	111

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ANNEX II (Continued)

25X1A

	Installation Name	Capacity	
		MT Water	MT POL
	Cu Van Petroleum Products Storage	850	714
	Cu Van Petroleum Products Storage East UG	1,300	1,092
	Dao Quan Petroleum Products Storage East	444	373
	Dao Quan Petroleum Products Storage West	360	302
	Nam Dinh Petroleum Products Storage PUG	300	252
	Thai Nguyen Petroleum Products Storage PUG South	1,320	1,109
	Phuc Yen Airfield POL Storage Area 1	300	252
	Phuc Yen Airfield POL Storage Area 2	750	630
	Xom Duong Quan Petroleum Products Storage UG East	72	60
	Xom Duong Quan Petroleum Products Storage UG	43	36
	Nui Tap Tinh POL Storage Area	26.6	22.3
	Sac Le POL Storage Area	168	141
	Phu Dong POL Storage Area	420	352
	Thuan Le POL Storage Area	273	229
	Phuc Loc Petroleum Products Storage	156	131
	Thanh Hoa POL Storage Area	118	99
	Ba Don Petroleum Products Storage	84	71
	Phuc Loi Petroleum Products Storage Navy	300	252
	Tho Trang Petroleum Products Storage	250	210
	Ninh Giang Petroleum Products Storage	342	272
	Dong Chau Petroleum Products Storage	612	514
	Kep Ha Petroleum Products Storage	96	81
	Tien Hoi Petroleum Products Storage	468	393
	Dong Mai Petroleum Products Storage	276	232
	Xom Lang POL Storage	312	262
	Van Hoa POL Storage	144	121
	Phu Lo Petroleum Products Storage NNE UG	228	192
	Juane Island POL Storage	48	40
	Co Nhue Vien Petroleum Products Storage	744	625
	Quang Suoi Petroleum Products Storage	--	--
	Trung Phu Petroleum Products Storage	184	155
	Gia Hoa Petroleum Products Storage PUG	132	111
	Bai Chay Petroleum Products Storage	53	45
	Vinh Petroleum Products Storage Yen Tinh	132	111
	Ba Don Petroleum Products Storage PUG West	72	61
	Bac Ninh Petroleum Products Storage	204	169
	Vinh Petroleum Products Storage PUG Xuan Yen	70	59

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ANNEX II (Continued)

25X1A

Installation Name	Capacity	
	MT Water	MT POL
Tri Binh Petroleum Products Storage	48	40
Xuyen Duong Petroleum Products Storage	--	--
Cau Cong Petroleum Products Storage	384	323
Tung Tu Petroleum Products Storage UG	375	315
Don Son Petroleum Products Storage	744	625
Quy Khe Petroleum Products Storage	1,344	1,129
Tran Xa Petroleum Products Storage	1,250	1,050
Than Hoa Petroleum Products Storage	84	71
Tram Du Petroleum Products Storage	1,050	882
Luc Nong Petroleum Products Storage	720	605
Thai Nguyen Petroleum Products Storage	99	83
Tien Nong Petroleum Products Storage	432	363
Vinh Petroleum Products Storage PUG Ben Thuy	168	141
Chi Linh Petroleum Products Storage	1,728	1,452
Vinh Petroleum Products Storage PUG Yen Dai	72	60
Hoang Pha Petroleum Products Storage	240	202
Kien An POL Storage	288	242
Phu Thi Petroleum Products Storage	360	302
Phu Tri Petroleum Products Storage West	164	138
Vinh Petroleum Products Storage North UG	96	81
Mach Trang Petroleum Products Storage	112	94
Tram Bac Petroleum Products Storage	1,275	1,071
Nam Lo Petroleum Products Storage	1,000	840
Ha Noi Petroleum Products Storage Duc Noi (Area 5)	261	219
Hai Gia Petroleum Products Storage NW	936	786
Phu Xa Petroleum Products Storage	200	168
Hoa Loan Petroleum Products Storage	108	91
Tu Hoang Petroleum Products Storage	175	148
Tay Tuu Petroleum Products Storage East	325	273
Nguyen Khe Petroleum Products Storage	36	30
Cap Dien Petroleum Products Storage	216	181
Vinh Petroleum Products Storage PUG North No 2	375	315
Xom Thap Petroleum Products Storage	180	151
Vinh Petroleum Products Storage PUG North No 3	54	45
Cu Hap Petroleum Products Storage	100	84
Xuan Mai Petroleum Products Storage	750	630
Dong Xuan Petroleum Products Storage	504	423
Vinh Petroleum Products Storage SE PUG	147	124

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<u>BE No.</u>	<u>Installation Name</u>	<u>Capacity</u>	
		<u>MT Water</u>	<u>MT POL</u>
	Kep Petroleum Products Storage	500	420
	Dong Sang Petroleum Products Storage	120	109
	Lap Tri Petroleum Products Storage	975	819
	Long Dai Petroleum Products Storage	225	189
	Luc Nong Petroleum Products Storage	720	605
	Quynh Hoang Petroleum Products Storage	350	294
	Lang Son Petroleum Products Storage SE	300	252
	Xa Son Petroleum Products Storage	800	672
	Cam Lam Thuong Petroleum Products Storage	400	336
	Phu Qui Petroleum Products Storage PUG No 2	35	29
	Khon Phai Dan Petroleum Products Storage	325	273
	Na Pia Petroleum Products Storage NW	200	168
	Dong Dang Petroleum Products Storage No 2	1,450	1,218
	Dong Dang Petroleum Products Storage No 1	264	222
	Na Pia Petroleum Products Storage	1,050	882

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QUY KHE PETROLEUM PRODUCTS STORAGE	2100	N	10638	E	B127, X-B127
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UONG BI POWERPLANT (PETROLEUM PROD STOR)	2102	N	10647	E	D37
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BAC NINH PETROLEUM PRODUCTS STORAGE	2109	N	10604	E	B113, X-B113
HOANG MAI POL STORAGE AREA	2114	N	10606	E	B7, X-B7
BAC GIANG PETROLEUM PRODUCTS STORAGE	2116	N	10611	E	A11, X-A11
TRUNG PHU PETROLEUM PRODUCTS STORAGE	2122	N	10619	E	B103, X-B103
CAN THON PETROLEUM PRODUCTS STORAGE	212335N		1061839E		B33, X-B33
KEP HA PETROLEUM PRODUCTS STORAGE	2123	N	10639	E	B85, X-B85
KEP PETROLEUM PRODUCTS STORAGE	212415N		1061730E		B193, X-B193
DAO QUAN PETROLEUM PRODUCTS STORAGE WEST	2125	N	10611	E	B49, X-B49
DAO QUAN PETROLEUM PRODUCTS STORAGE EAST	2126	N	10612	E	B47, X-B47
LANG SON PETROLEUM PRODUCTS STORAGE SE	214800N		1065222E		B205, X-B205
POL BARGE	2151	N	10644	E	D21
NA PIA PETROLEUM PRODUCTS STORAGE NW	215350N		1062555E		B215, X-B215
NA PIA PETROLEUM PRODUCTS STORAGE	215352N		1062614E		B221, X-B221
DONG DANG PETROLEUM PRODUCTS STORAGE NO 2	215440N		1064015E		B217, X-B217
DONG DANG PETROLEUM PRODUCTS STORAGE NO 1	215443N		1064116E		B219, X-B219
KHON PHAI DAN PETROLEUM PRODUCTS STORAGE	215625N		1062330E		B213, X-B213
JAUNE ISLAND POL STORAGE	2102	N	10722	E	B97, X-B97
VAN HUA POL STORAGE	2112	N	10734	E	B93, X-B93

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